

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018286.D
 Acq On : 16 May 2024 15:13
 Operator : SY/MD
 Sample : P2403-03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: May 17 02:46:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 02:04:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	155500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	285284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	242071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105154	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71051	62.109	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.220%	
35) Dibromofluoromethane	7.709	113	78963	52.667	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.340%	
50) Toluene-d8	10.179	98	310150	52.495	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.980%	
62) 4-Bromofluorobenzene	12.483	95	94223	49.383	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.760%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	3712	3.010	ug/l	93
3) Chloromethane	2.107	50	6270	3.798	ug/l	94
4) Vinyl Chloride	2.241	62	6717	3.357	ug/l	96
5) Bromomethane	2.643	94	5289	3.806	ug/l	89
6) Chloroethane	2.790	64	4248	3.345	ug/l	97
7) Trichlorofluoromethane	3.119	101	6630	2.829	ug/l #	76
8) Diethyl Ether	3.521	74	2544	3.297	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.893	101	4363	2.921	ug/l	96
10) Methyl Iodide	4.082	142	4839	2.774	ug/l	96
11) Tert butyl alcohol	4.929	59	4284	37.466	ug/l #	98
12) 1,1-Dichloroethene	3.863	96	4065	2.703	ug/l	83
13) Acrolein	3.728	56	2224	18.036	ug/l	89
14) Allyl chloride	4.466	41	6245	3.264	ug/l	95
15) Acrylonitrile	5.155	53	4688	15.799	ug/l #	84
16) Acetone	3.942	43	4491	19.672	ug/l #	85
17) Carbon Disulfide	4.186	76	12204	2.981	ug/l	98
18) Methyl Acetate	4.466	43	2959	4.550	ug/l	91
19) Methyl tert-butyl Ether	5.210	73	10327	3.083	ug/l	95
20) Methylene Chloride	4.710	84	12457	7.720	ug/l	98
21) trans-1,2-Dichloroethene	5.210	96	5090	3.193	ug/l	90
22) Diisopropyl ether	6.106	45	12394	3.054	ug/l #	94
23) Vinyl Acetate	6.051	43	36236	14.691	ug/l #	93
24) 1,1-Dichloroethane	6.002	63	8048	3.220	ug/l	95
25) 2-Butanone	6.978	43	6316	17.308	ug/l	98
26) 2,2-Dichloropropane	6.978	77	6967	3.080	ug/l	94
27) cis-1,2-Dichloroethene	6.972	96	5742	3.048	ug/l	97
28) Bromochloromethane	7.331	49	3615	3.618	ug/l	95
29) Tetrahydrofuran	7.350	42	4745	19.699	ug/l	90
30) Chloroform	7.502	83	7947	3.045	ug/l	86
31) Cyclohexane	7.783	56	9454	3.984	ug/l #	75
32) 1,1,1-Trichloroethane	7.697	97	6643	2.840	ug/l	94
36) 1,1-Dichloropropene	7.911	75	6213	2.891	ug/l	93
37) Ethyl Acetate	7.069	43	2278	2.518	ug/l #	74
38) Carbon Tetrachloride	7.898	117	5548	2.362	ug/l	92
39) Methylcyclohexane	9.185	83	7863	2.536	ug/l #	85
40) Benzene	8.161	78	18678	2.702	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	1766	3.381	ug/l #	83
42) 1,2-Dichloroethane	8.228	62	4457	2.963	ug/l	93
43) Isopropyl Acetate	8.270	43	5705	3.077	ug/l #	59
44) Trichloroethene	8.935	130	4987	2.650	ug/l	99
45) 1,2-Dichloropropane	9.209	63	4084	2.702	ug/l	90
46) Dibromomethane	9.301	93	2640	3.038	ug/l	85
47) Bromodichloromethane	9.496	83	5486	2.554	ug/l	90
48) Methyl methacrylate	9.295	41	2469	2.905	ug/l	91
49) 1,4-Dioxane	9.295	88	725	62.858	ug/l #	69
51) 4-Methyl-2-Pentanone	10.069	43	13119	14.077	ug/l	97
52) Toluene	10.240	92	11741	2.638	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	5019	2.501	ug/l	89
54) cis-1,3-Dichloropropene	9.929	75	5897	2.404	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	3495	2.928	ug/l	96
56) Ethyl methacrylate	10.508	69	4111	2.536	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	5309	2.733	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.776	63	13232	17.093	ug/l	99
59) 2-Hexanone	10.831	43	8737	13.408	ug/l	90
60) Dibromochloromethane	10.983	129	3645	2.354	ug/l	90
61) 1,2-Dibromoethane	11.087	107	3479	3.094	ug/l	85
64) Tetrachloroethene	10.715	164	4630	2.873	ug/l	90
65) Chlorobenzene	11.514	112	13522	2.743	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.593	131	3824	2.398	ug/l	94
67) Ethyl Benzene	11.593	91	21856	2.626	ug/l	100
68) m/p-Xylenes	11.703	106	17093	5.192	ug/l	98
69) o-Xylene	12.026	106	8423	2.666	ug/l	92
70) Styrene	12.044	104	13116	2.486	ug/l	97
71) Bromoform	12.209	173	1965	2.227	ug/l #	98
73) Isopropylbenzene	12.331	105	20237	2.567	ug/l	94
74) N-amyl acetate	12.142	43	4254	2.599	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	3427	2.725	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	4507	5.355	ug/l #	100
77) Bromobenzene	12.611	156	4695	2.592	ug/l	97
78) n-propylbenzene	12.672	91	25975	2.833	ug/l	99
79) 2-Chlorotoluene	12.757	91	13981	2.744	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	15998	2.573	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	49539	113.397	ug/l #	16
82) 4-Chlorotoluene	12.855	91	14370	2.807	ug/l	94
83) tert-Butylbenzene	13.074	119	15579	2.717	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	16316	2.679	ug/l	97
85) sec-Butylbenzene	13.251	105	23702	2.818	ug/l	98
86) p-Isopropyltoluene	13.367	119	18827	2.721	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	9049	2.587	ug/l	94
88) 1,4-Dichlorobenzene	13.446	146	10144	2.975	ug/l	88
89) n-Butylbenzene	13.696	91	17796	2.842	ug/l	99
90) Hexachloroethane	13.958	117	3333	2.455	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	8210	2.731	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.349	75	454	2.651	ug/l	93
93) 1,2,4-Trichlorobenzene	15.013	180	4224	2.499	ug/l	93
94) Hexachlorobutadiene	15.111	225	2363	2.534	ug/l	89
95) Naphthalene	15.233	128	7765	2.507	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.428	180	3580	2.581	ug/l	92

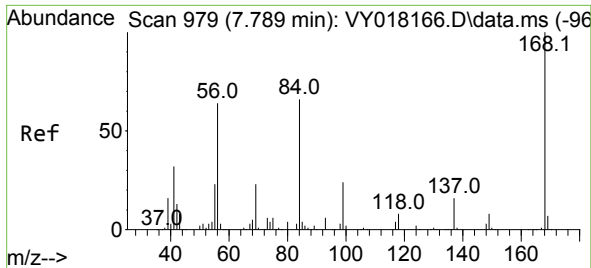
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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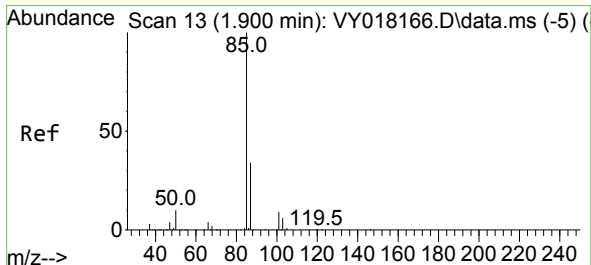
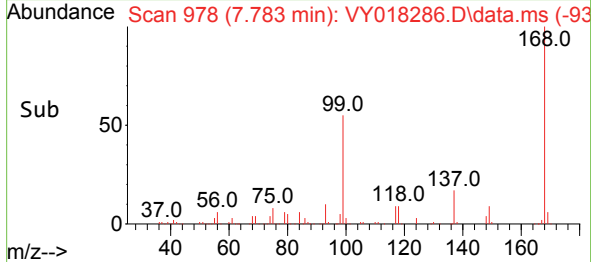
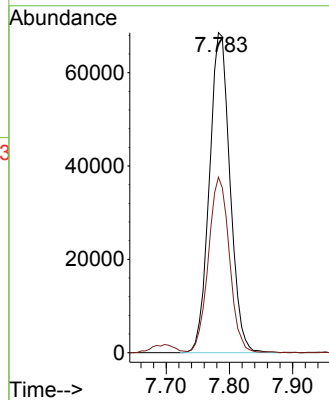
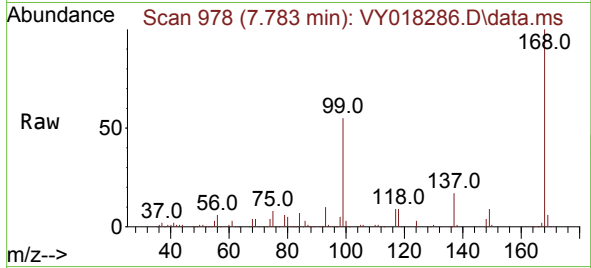
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

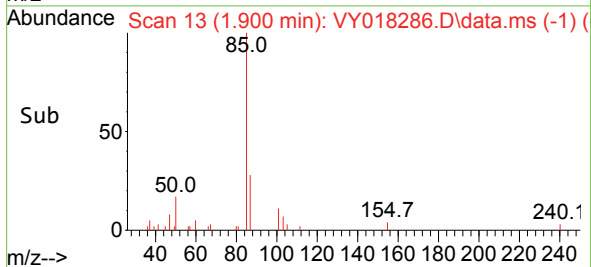
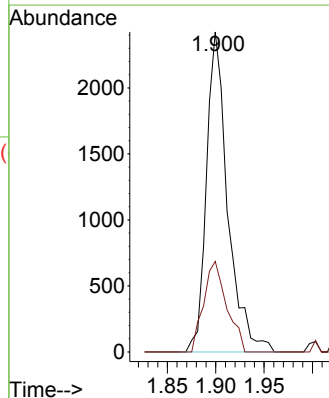
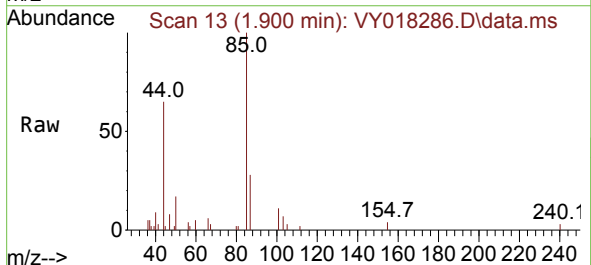
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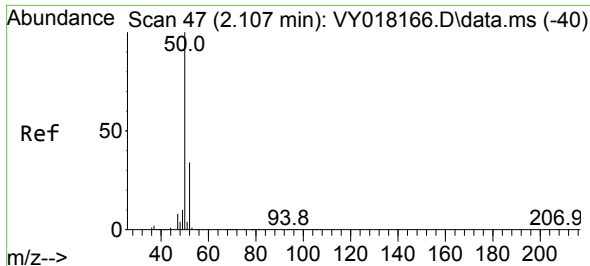
Tgt Ion:168 Resp: 155500
Ion Ratio Lower Upper
168 100
99 54.8 39.1 58.7



#2
Dichlorodifluoromethane
Concen: 3.010 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 85 Resp: 3712
Ion Ratio Lower Upper
85 100
87 28.3 16.0 48.0

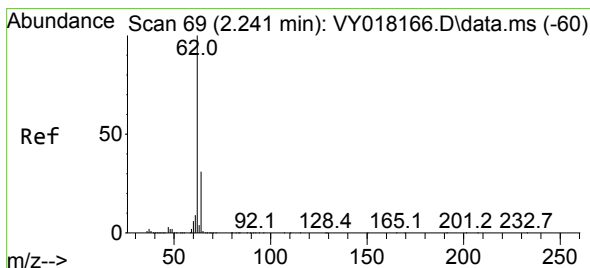
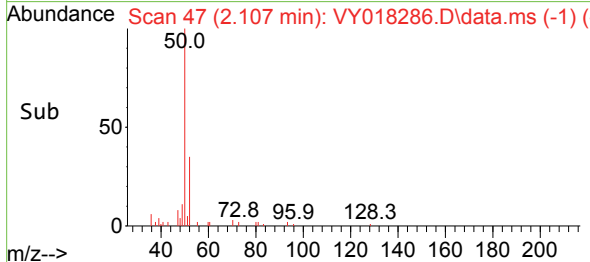
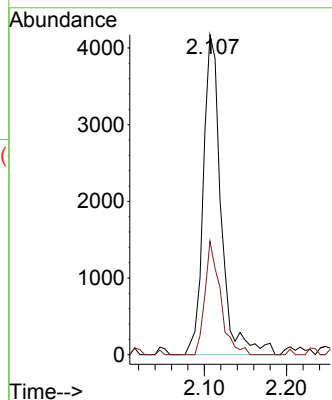
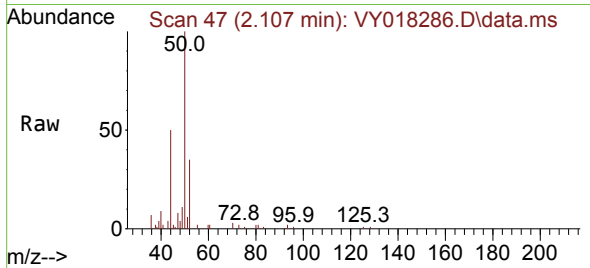




#3
Chloromethane
Concen: 3.798 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

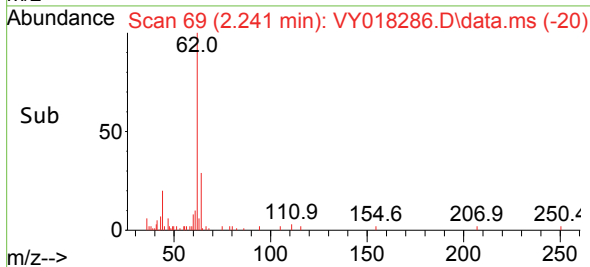
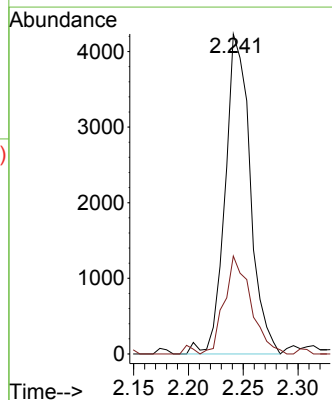
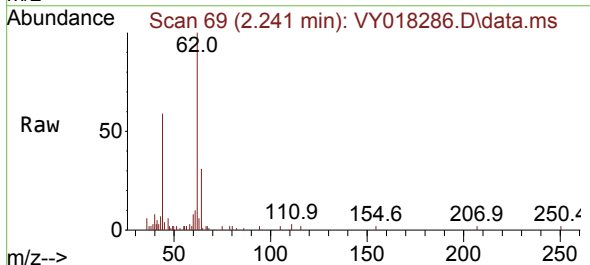
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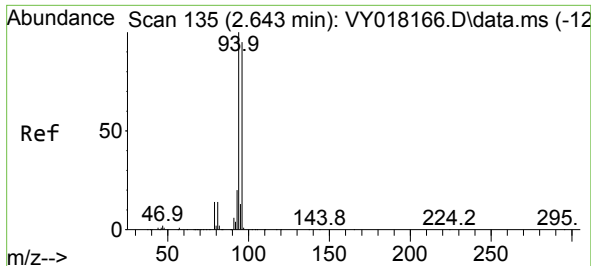
Tgt Ion: 50 Resp: 6270
Ion Ratio Lower Upper
50 100
52 35.4 25.6 38.4



#4
Vinyl Chloride
Concen: 3.357 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 62 Resp: 6717
Ion Ratio Lower Upper
62 100
64 30.6 26.1 39.1

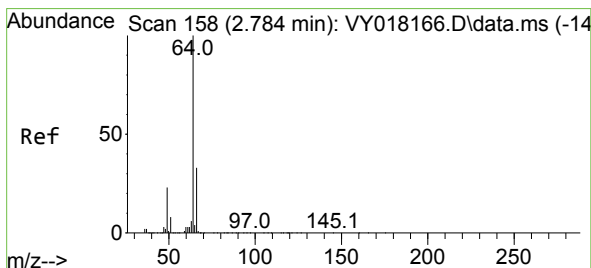
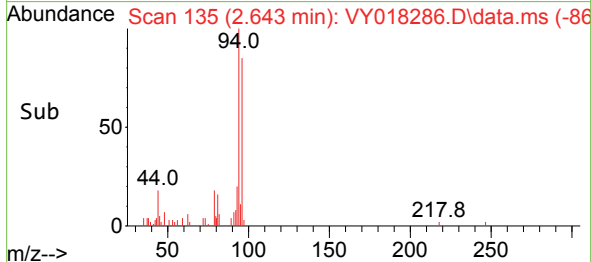
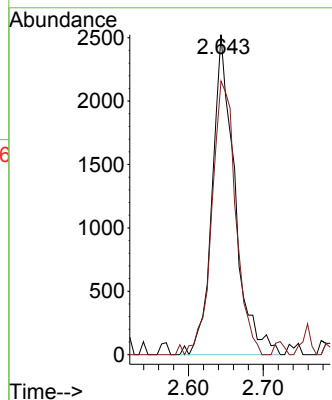
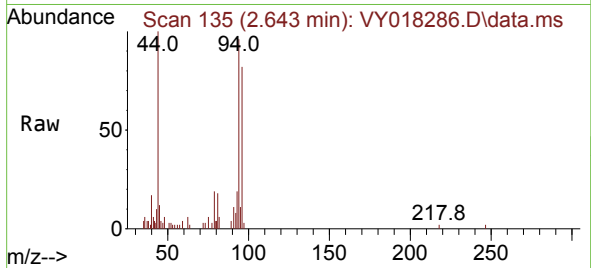




#5
Bromomethane
Concen: 3.806 ug/l
RT: 2.643 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

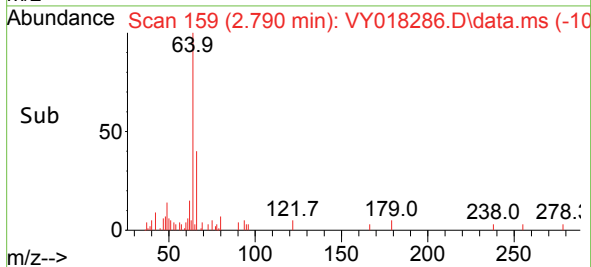
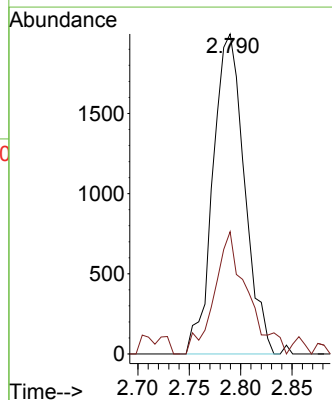
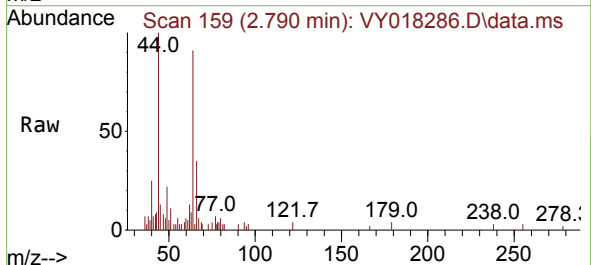
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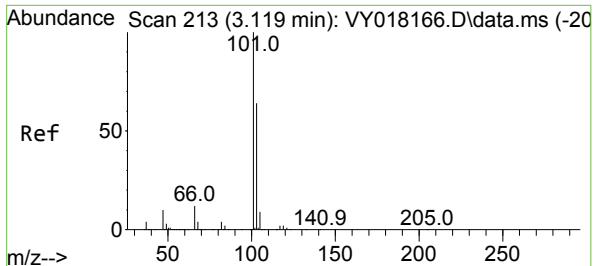
Tgt Ion: 94 Resp: 5289
Ion Ratio Lower Upper
94 100
96 82.4 74.1 111.1



#6
Chloroethane
Concen: 3.345 ug/l
RT: 2.790 min Scan# 159
Delta R.T. 0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 64 Resp: 4248
Ion Ratio Lower Upper
64 100
66 34.0 26.1 39.1

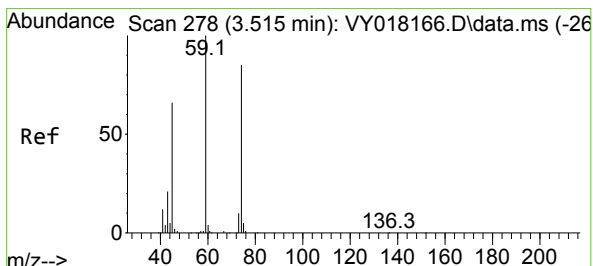
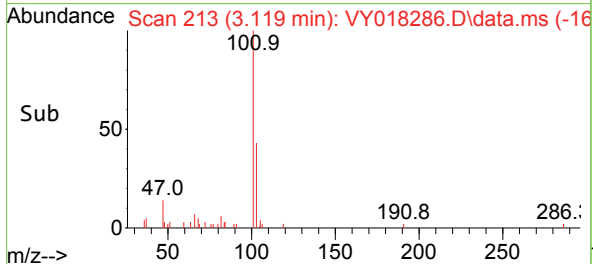
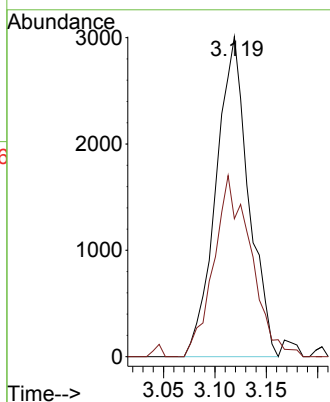
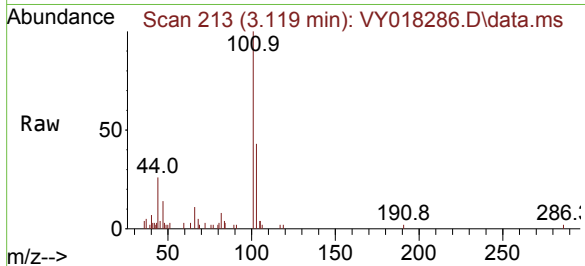




#7
Trichlorofluoromethane
Concen: 2.829 ug/l
RT: 3.119 min Scan# 213
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

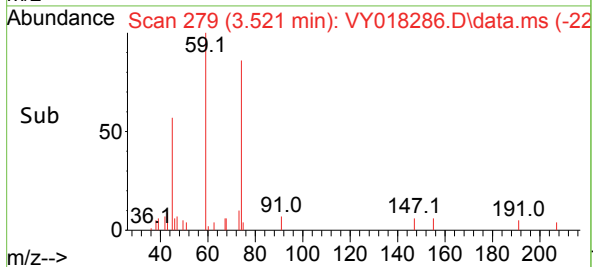
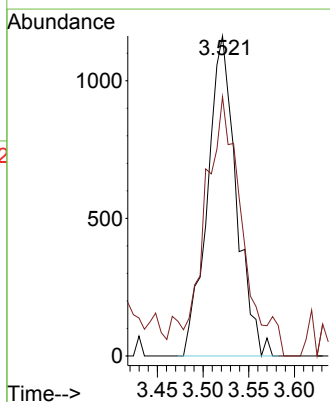
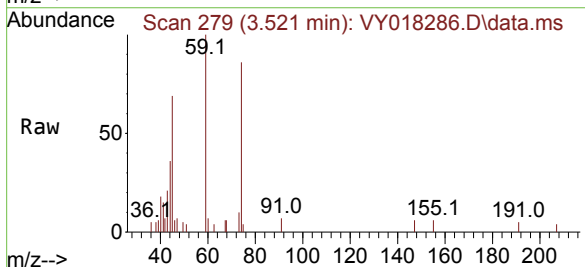
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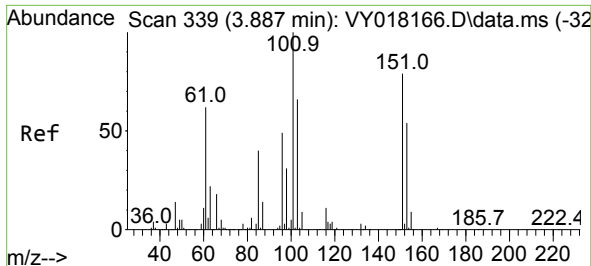
Tgt Ion:101 Resp: 6630
Ion Ratio Lower Upper
101 100
103 43.1 49.3 73.9#



#8
Diethyl Ether
Concen: 3.297 ug/l
RT: 3.521 min Scan# 279
Delta R.T. 0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 74 Resp: 2544
Ion Ratio Lower Upper
74 100
45 107.5 41.3 124.1

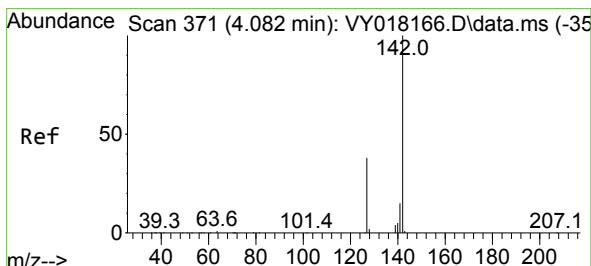
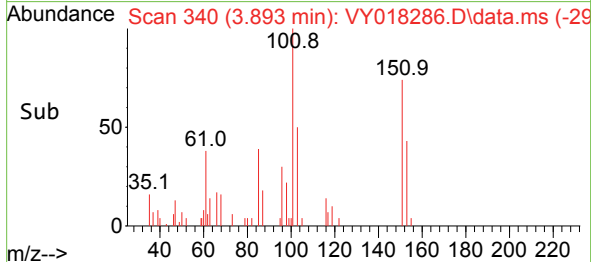
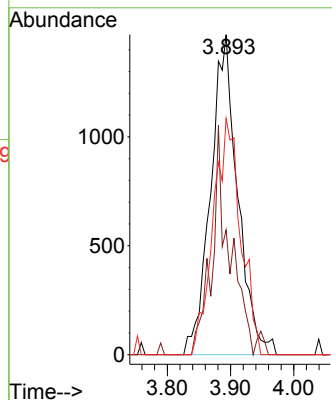
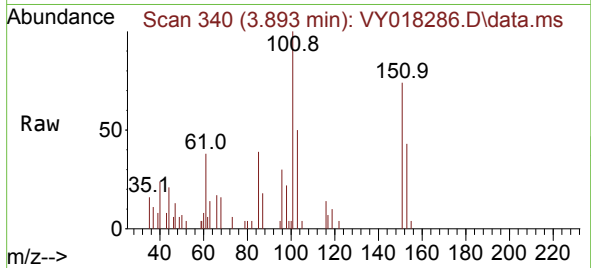




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.921 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY018286.D
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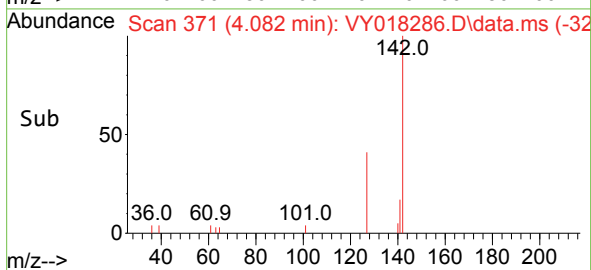
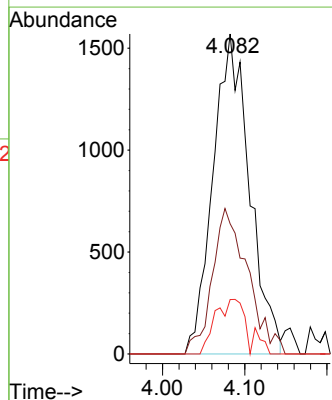
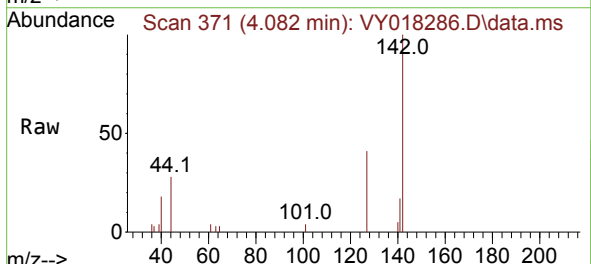
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

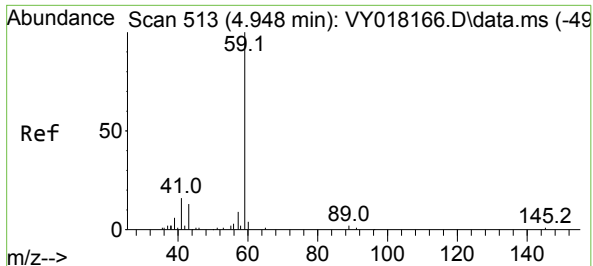
Tgt Ion:101 Resp: 4363
Ion Ratio Lower Upper
101 100
85 47.2 34.5 51.7
151 75.0 61.7 92.5



#10
Methyl Iodide
Concen: 2.774 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion:142 Resp: 4839
Ion Ratio Lower Upper
142 100
127 44.2 32.8 49.2
141 13.2 11.4 17.2

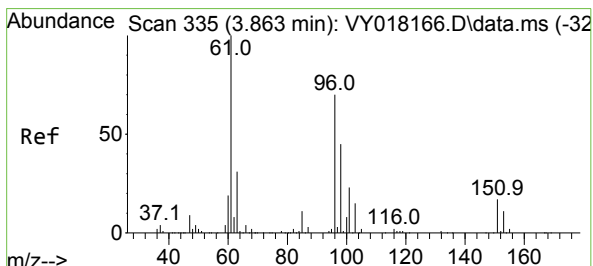
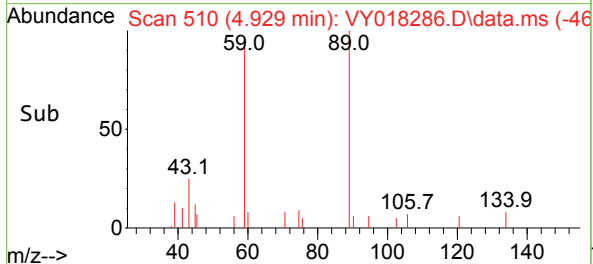
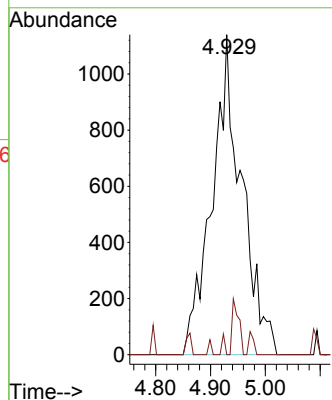
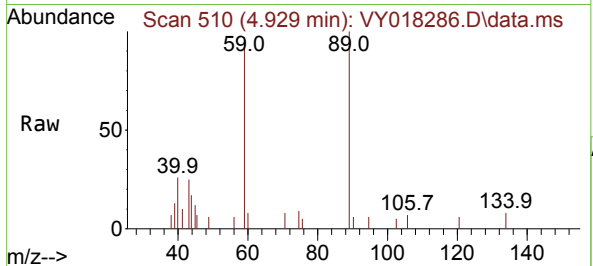




#11
Tert butyl alcohol
Concen: 37.466 ug/l
RT: 4.929 min Scan# 513
Delta R.T. -0.019 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

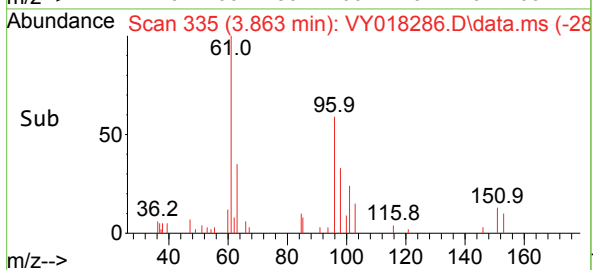
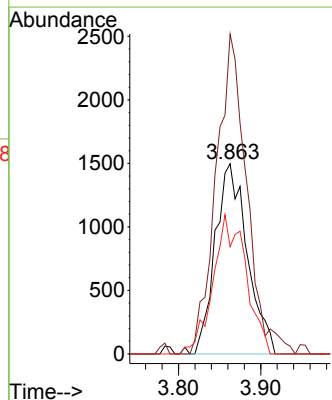
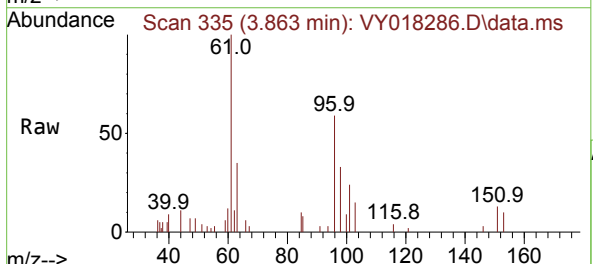
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

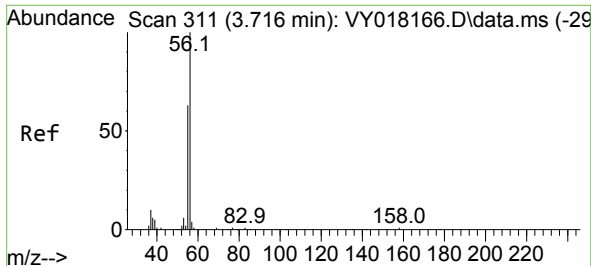
Tgt Ion: 59 Resp: 4284
Ion Ratio Lower Upper
59 100
57 4.6 3.0 4.6#



#12
1,1-Dichloroethene
Concen: 2.703 ug/l
RT: 3.863 min Scan# 335
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 96 Resp: 4065
Ion Ratio Lower Upper
96 100
61 168.3 114.6 171.8
98 56.3 50.8 76.2





#13

Acrolein

Concen: 18.036 ug/l

RT: 3.728 min Scan# 311

Delta R.T. 0.012 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

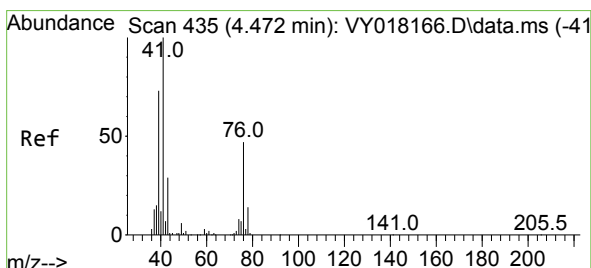
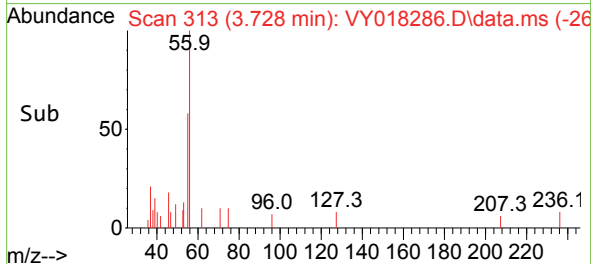
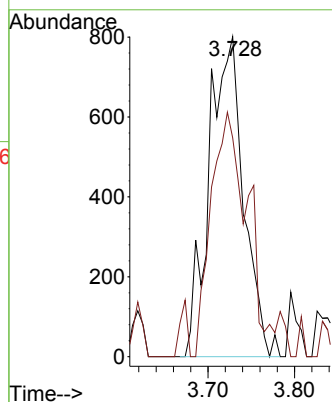
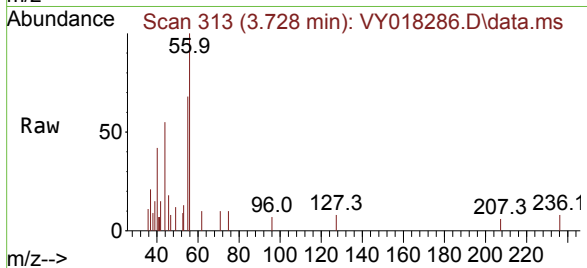
MDL-SOIL-03-QT2-2024

Tgt Ion: 56 Resp: 2224

Ion Ratio Lower Upper

56 100

55 78.5 55.7 83.5



#14

Allyl chloride

Concen: 3.264 ug/l

RT: 4.466 min Scan# 434

Delta R.T. -0.006 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

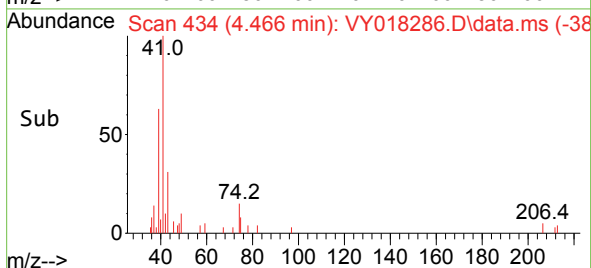
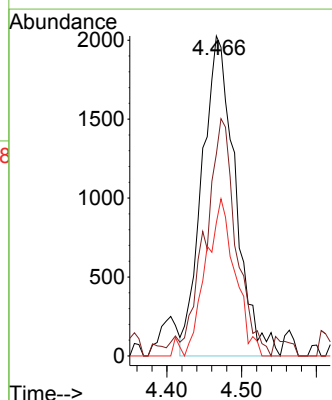
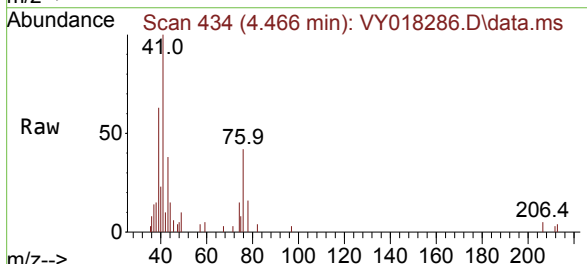
Tgt Ion: 41 Resp: 6245

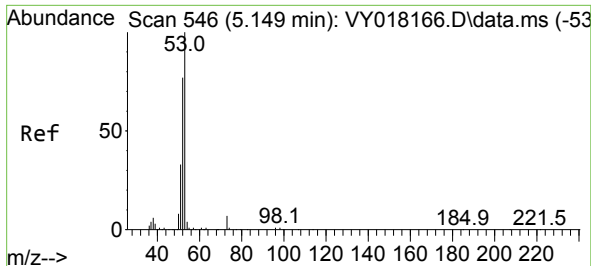
Ion Ratio Lower Upper

41 100

39 70.7 58.3 87.5

76 43.3 39.0 58.6

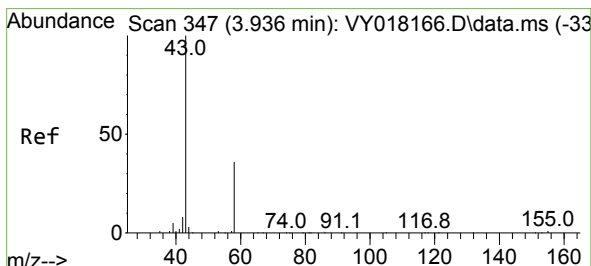
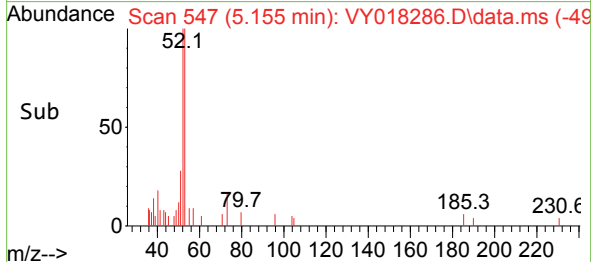
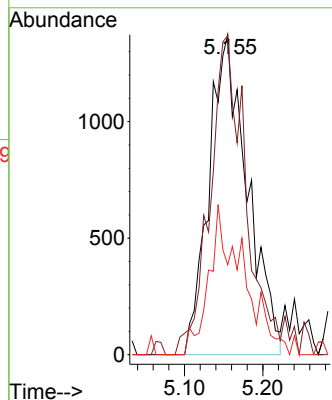
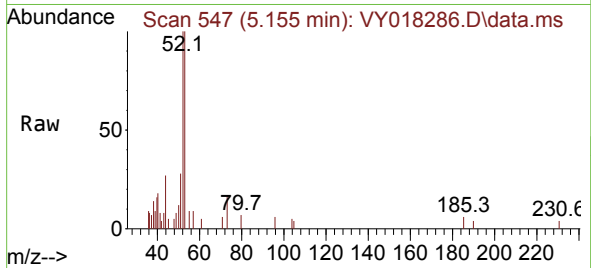




#15
Acrylonitrile
Concen: 15.799 ug/l
RT: 5.155 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

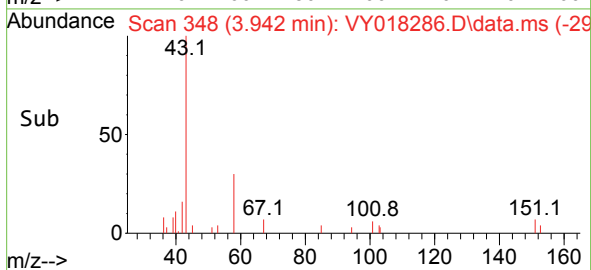
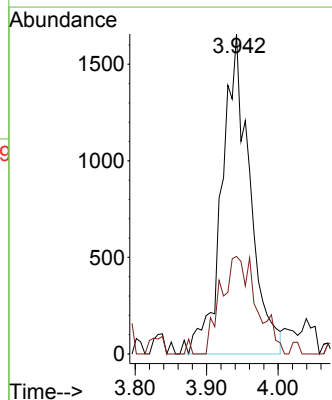
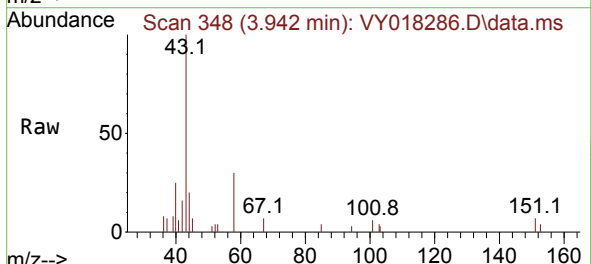
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

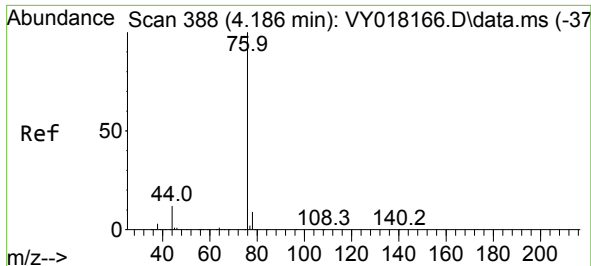
Tgt Ion: 53 Resp: 4688
Ion Ratio Lower Upper
53 100
52 92.0 64.7 97.1
51 20.9 28.4 42.6#



#16
Acetone
Concen: 19.672 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 43 Resp: 4491
Ion Ratio Lower Upper
43 100
58 30.5 31.7 47.5#





#17

Carbon Disulfide

Concen: 2.981 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

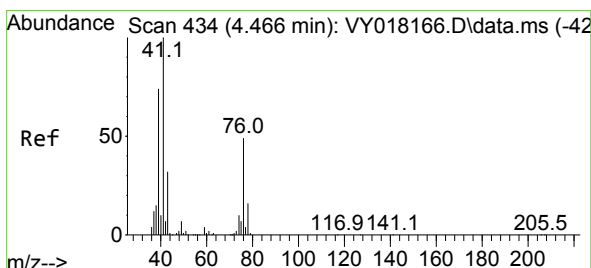
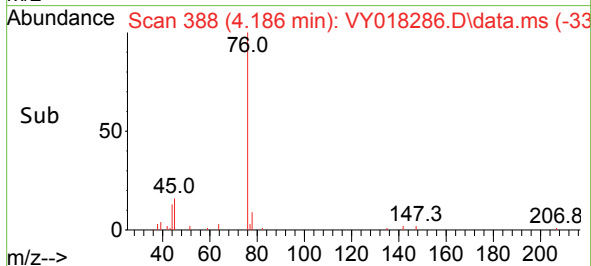
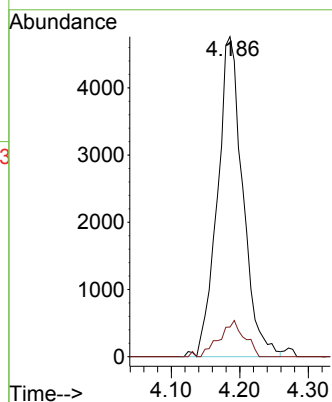
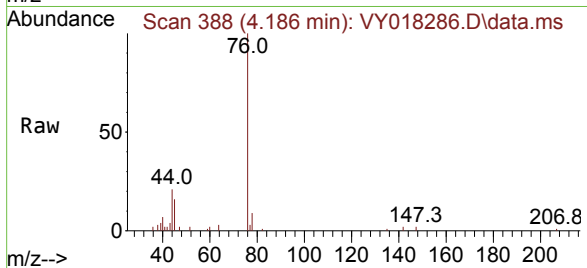
MDL-SOIL-03-QT2-2024

Tgt Ion: 76 Resp: 12204

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2



#18

Methyl Acetate

Concen: 4.550 ug/l

RT: 4.466 min Scan# 434

Delta R.T. -0.000 min

Lab File: VY018286.D

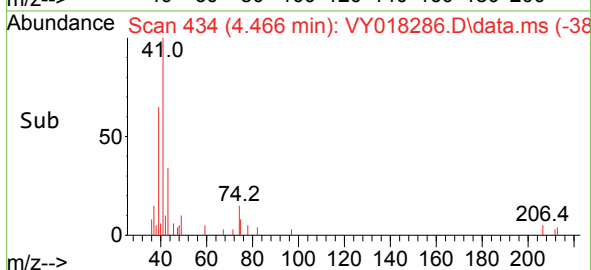
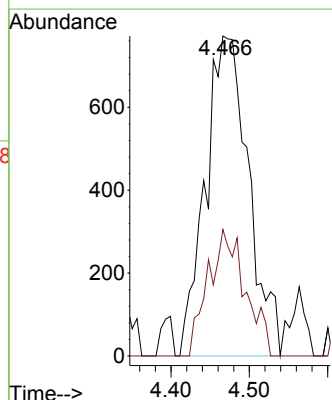
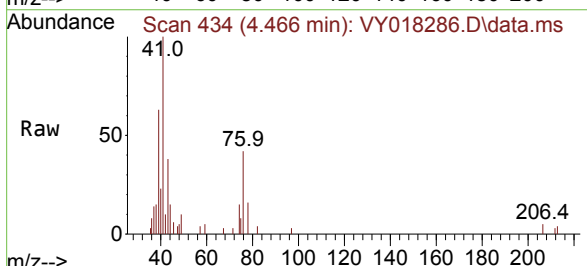
Acq: 16 May 2024 15:13

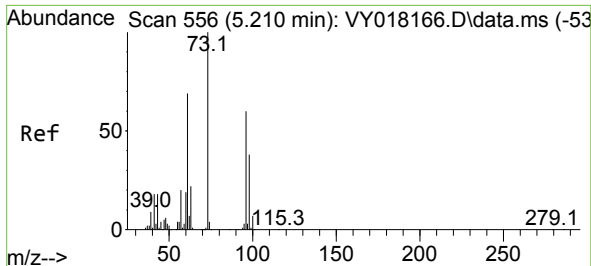
Tgt Ion: 43 Resp: 2959

Ion Ratio Lower Upper

43 100

74 34.0 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 3.083 ug/l

RT: 5.210 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

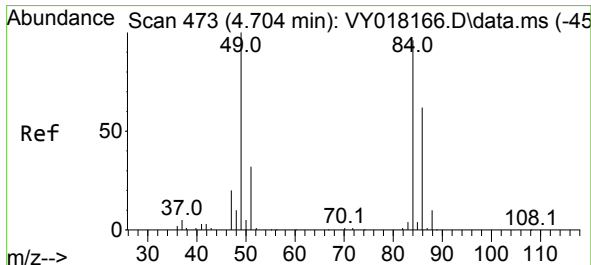
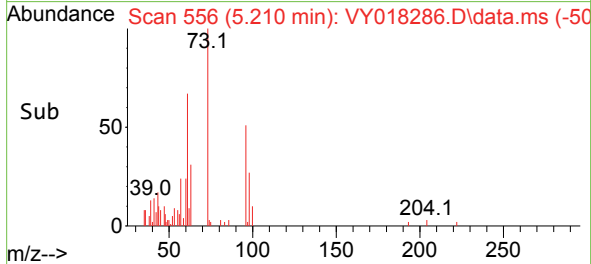
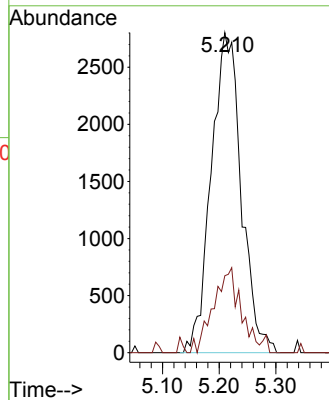
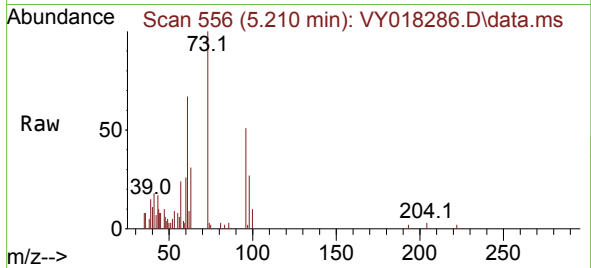
MDL-SOIL-03-QT2-2024

Tgt Ion: 73 Resp: 10327

Ion Ratio Lower Upper

73 100

57 24.0 17.3 25.9



#20

Methylene Chloride

Concen: 7.720 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Tgt Ion: 84 Resp: 12457

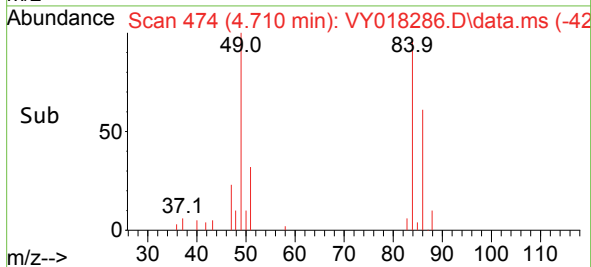
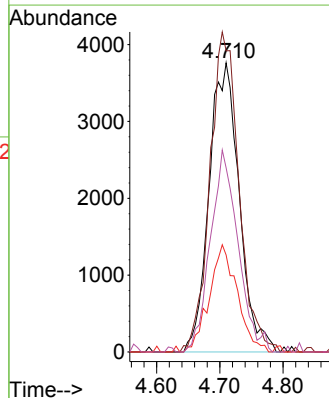
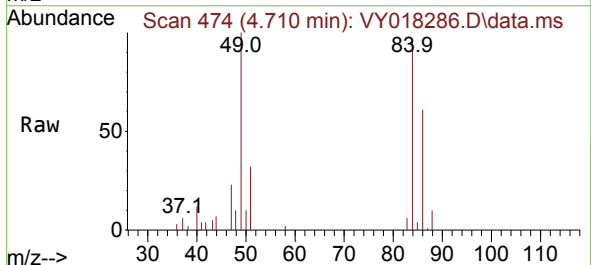
Ion Ratio Lower Upper

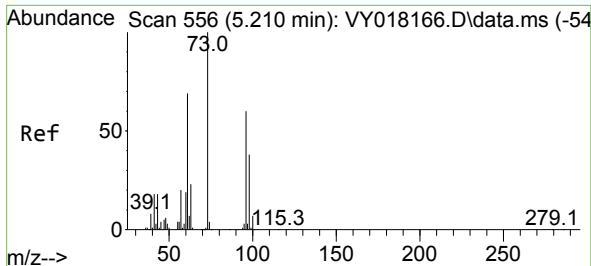
84 100

49 104.1 84.4 126.6

51 33.5 26.0 39.0

86 63.7 49.5 74.3

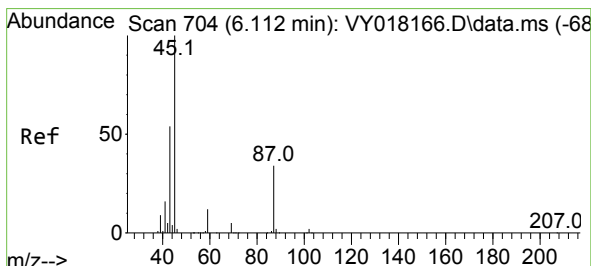
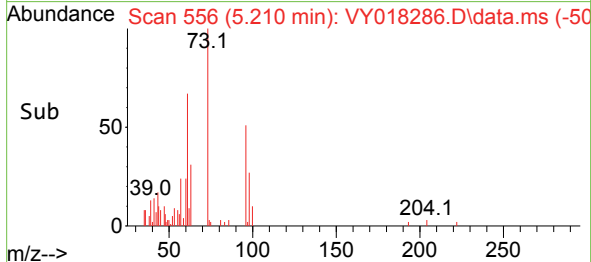
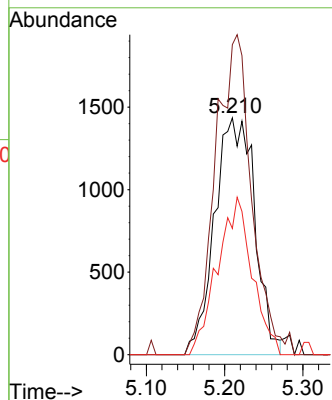
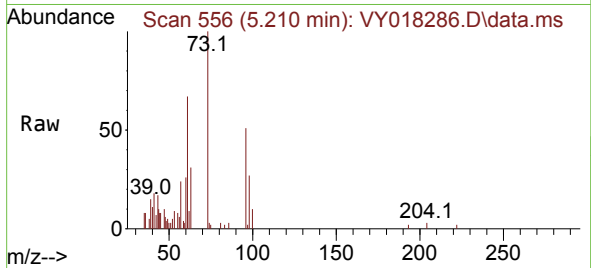




#21
trans-1,2-Dichloroethene
Concen: 3.193 ug/l
RT: 5.210 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

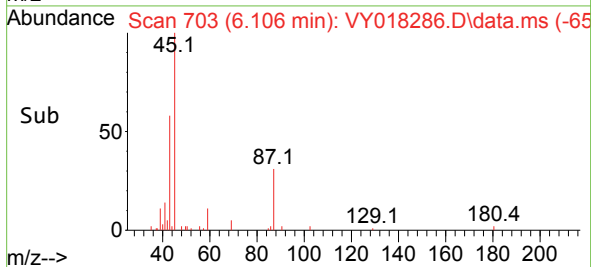
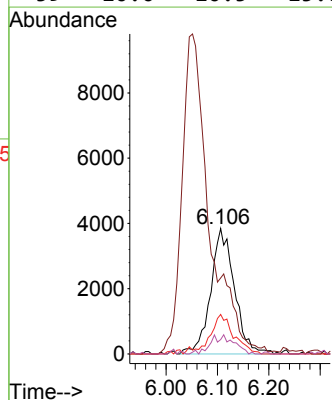
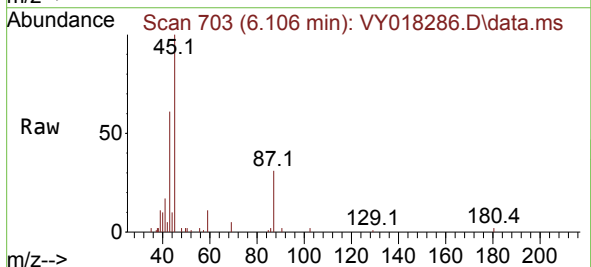
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

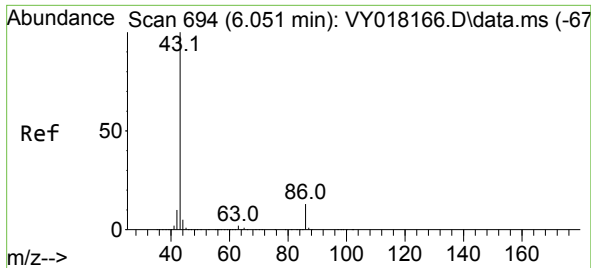
Tgt Ion: 96 Resp: 5090
Ion Ratio Lower Upper
96 100
61 130.9 97.5 146.3
98 53.3 50.5 75.7



#22
Diisopropyl ether
Concen: 3.054 ug/l
RT: 6.106 min Scan# 703
Delta R.T. -0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 45 Resp: 12394
Ion Ratio Lower Upper
45 100
43 59.0 42.2 63.2
87 31.5 25.0 37.6
59 10.0 10.5 15.7#

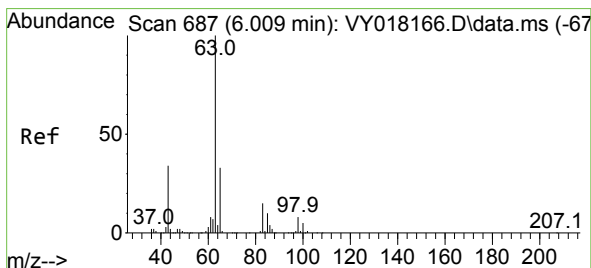
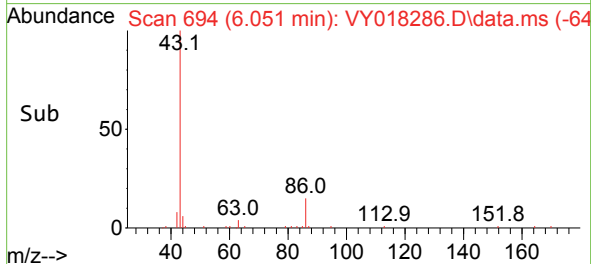
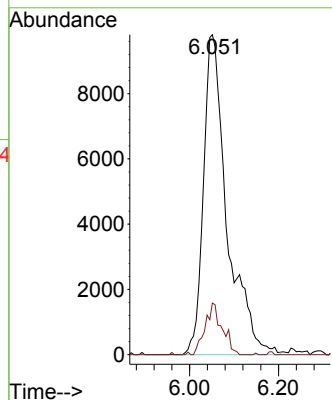
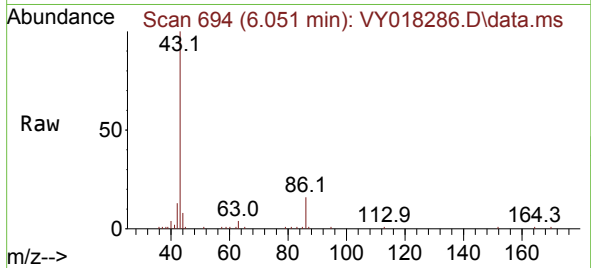




#23
 Vinyl Acetate
 Concen: 14.691 ug/l
 RT: 6.051 min Scan# 694
 Delta R.T. -0.000 min
 Lab File: VY018286.D
 Acq: 16 May 2024 15:13

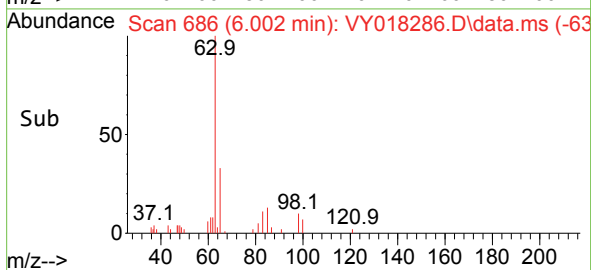
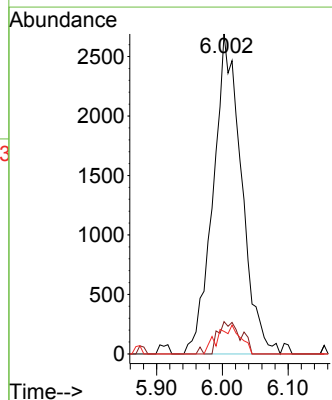
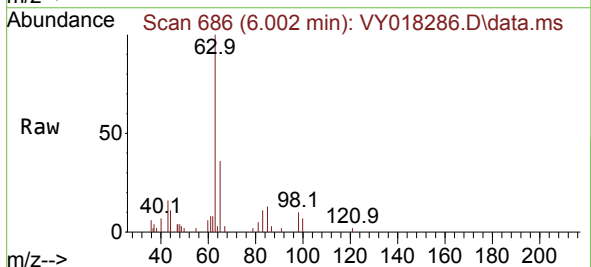
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

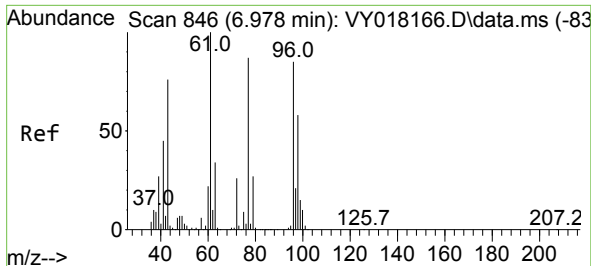
Tgt Ion: 43 Resp: 36236
 Ion Ratio Lower Upper
 43 100
 86 16.2 10.6 16.0#



#24
 1,1-Dichloroethane
 Concen: 3.220 ug/l
 RT: 6.002 min Scan# 686
 Delta R.T. -0.006 min
 Lab File: VY018286.D
 Acq: 16 May 2024 15:13

Tgt Ion: 63 Resp: 8048
 Ion Ratio Lower Upper
 63 100
 98 10.1 4.0 12.2
 100 7.0 2.6 8.0

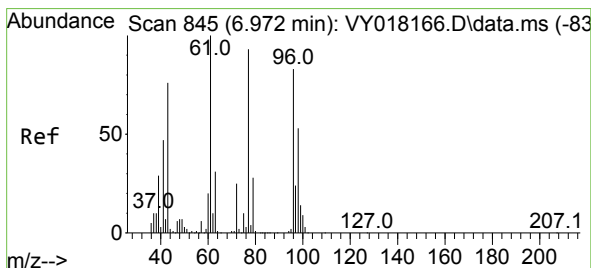
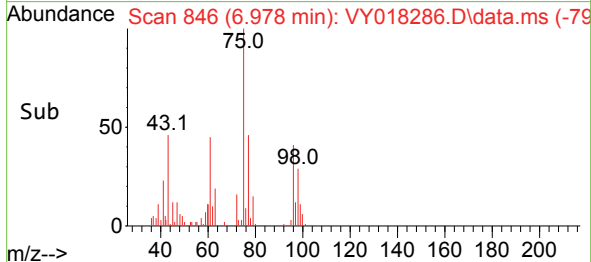
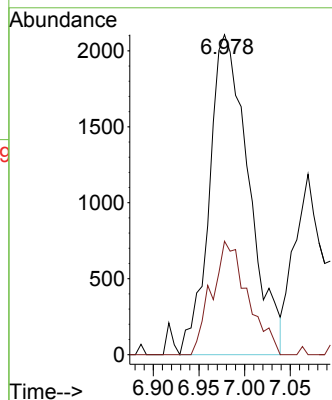
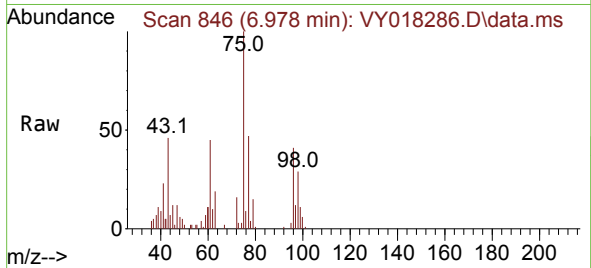




#25
2-Butanone
Concen: 17.308 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

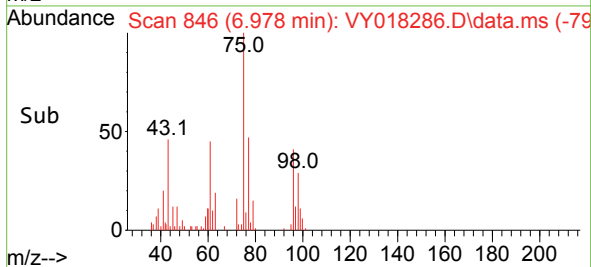
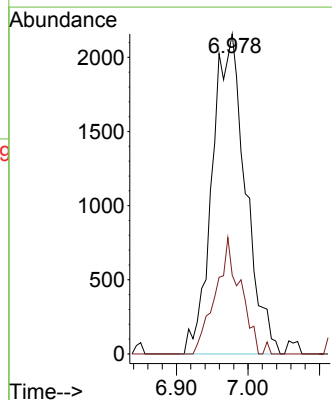
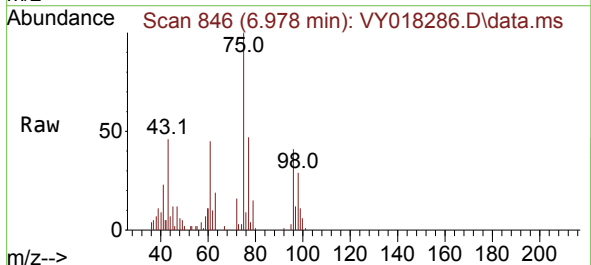
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

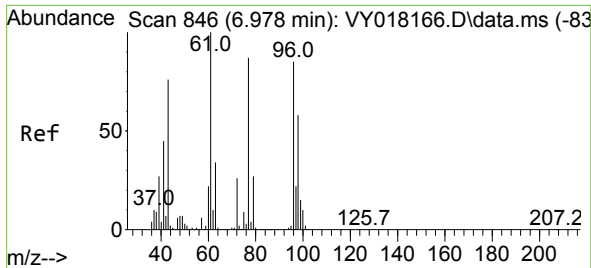
Tgt Ion: 43 Resp: 6316
Ion Ratio Lower Upper
43 100
72 35.5 27.3 40.9



#26
2,2-Dichloropropane
Concen: 3.080 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 77 Resp: 6967
Ion Ratio Lower Upper
77 100
97 27.1 12.0 36.1

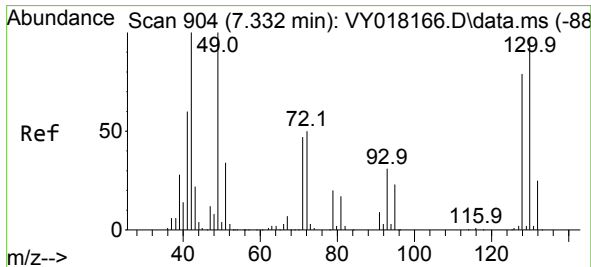
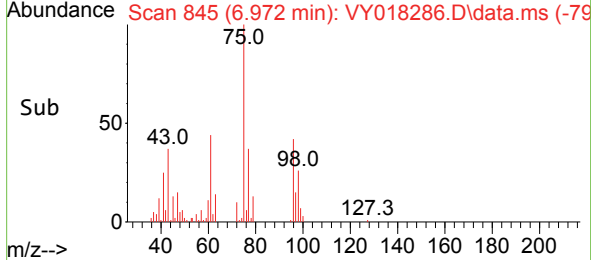
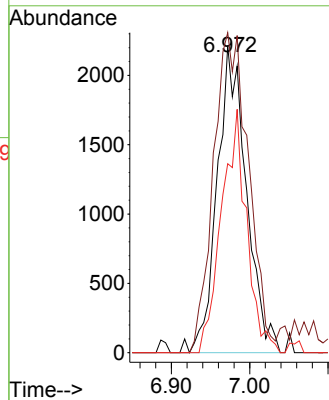
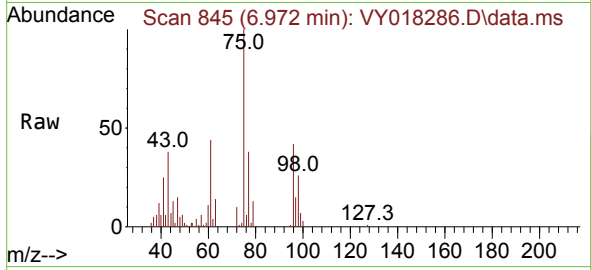




#27
 cis-1,2-Dichloroethene
 Concen: 3.048 ug/l
 RT: 6.972 min Scan# 846
 Delta R.T. -0.006 min
 Lab File: VY018286.D
 Acq: 16 May 2024 15:13

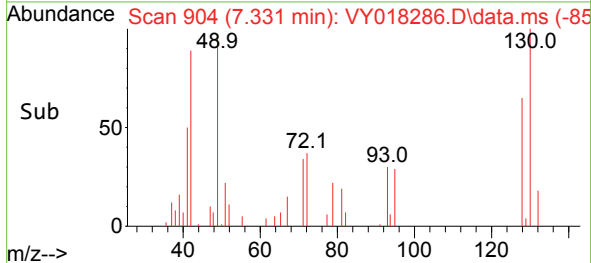
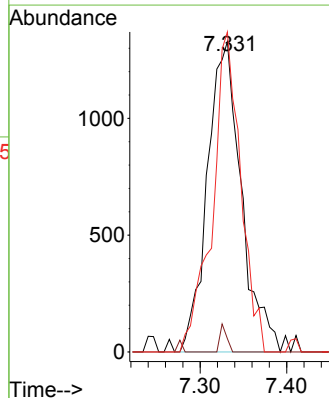
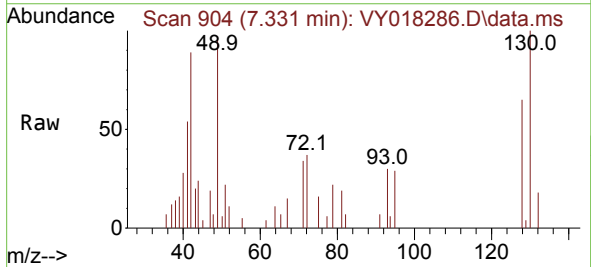
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

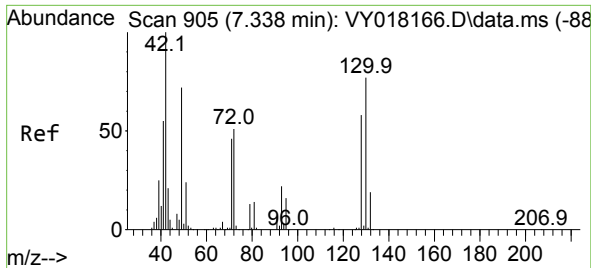
Tgt Ion:	96	Resp:	5742
Ion	Ratio	Lower	Upper
96	100		
61	125.0	0.0	256.2
98	68.3	0.0	130.0



#28
 Bromochloromethane
 Concen: 3.618 ug/l
 RT: 7.331 min Scan# 904
 Delta R.T. -0.000 min
 Lab File: VY018286.D
 Acq: 16 May 2024 15:13

Tgt Ion:	49	Resp:	3615
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	86.3	72.7	109.1





#29

Tetrahydrofuran

Concen: 19.699 ug/l

RT: 7.350 min Scan# 905

Delta R.T. 0.012 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

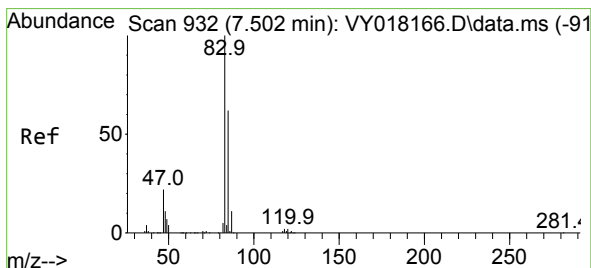
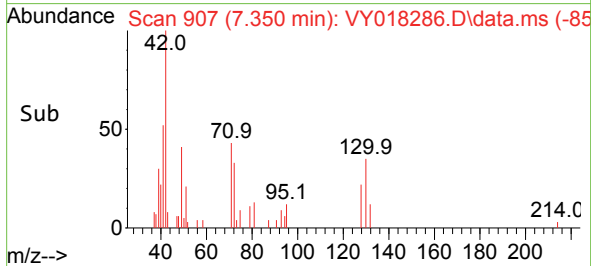
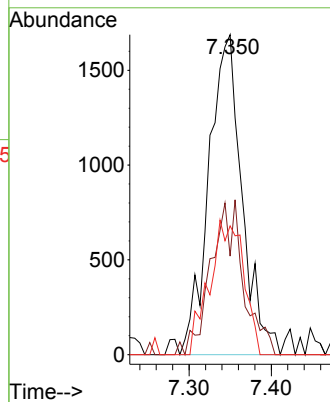
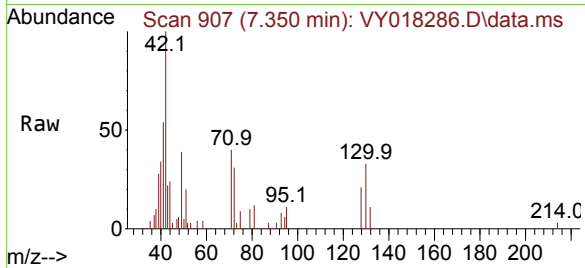
Tgt Ion: 42 Resp: 4745

Ion Ratio Lower Upper

42 100

72 46.8 43.0 64.4

71 43.1 40.8 61.2



#30

Chloroform

Concen: 3.045 ug/l

RT: 7.502 min Scan# 932

Delta R.T. -0.000 min

Lab File: VY018286.D

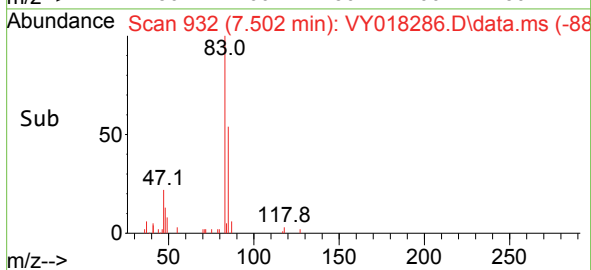
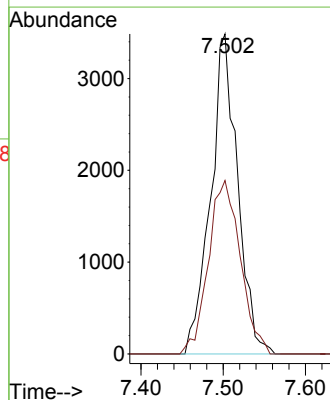
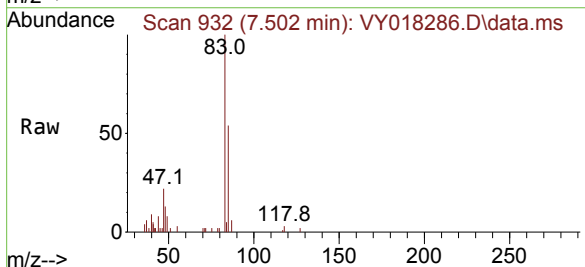
Acq: 16 May 2024 15:13

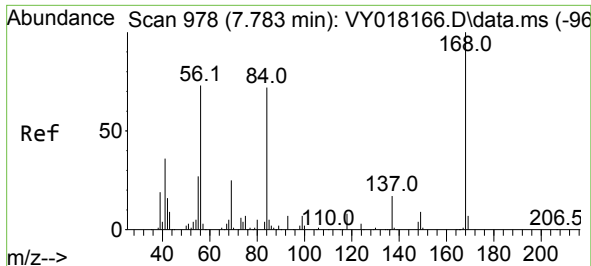
Tgt Ion: 83 Resp: 7947

Ion Ratio Lower Upper

83 100

85 54.2 52.2 78.4

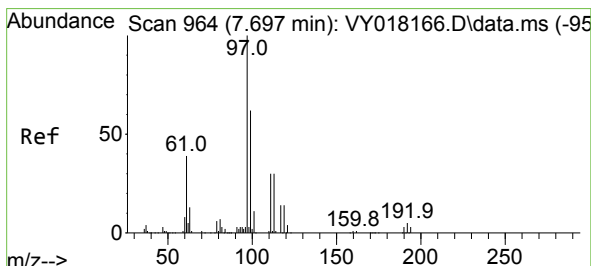
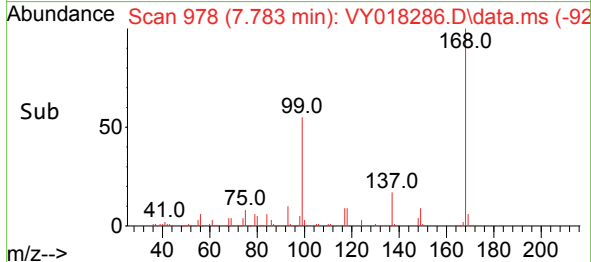
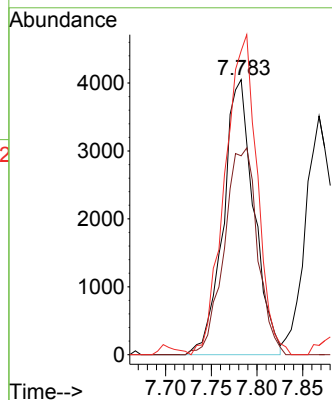
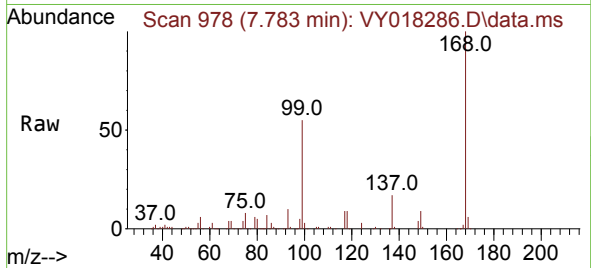




#31
Cyclohexane
Concen: 3.984 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

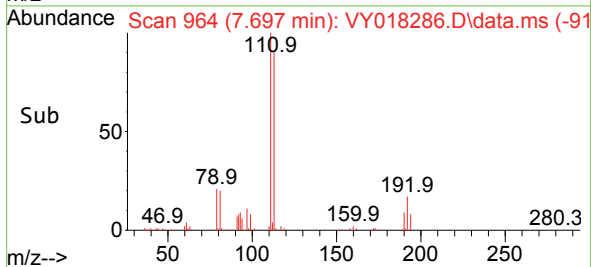
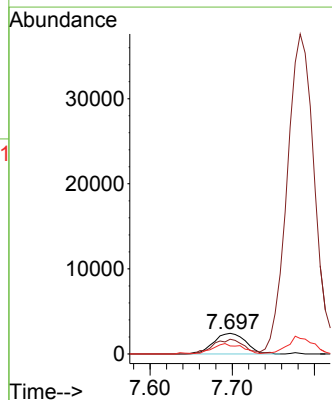
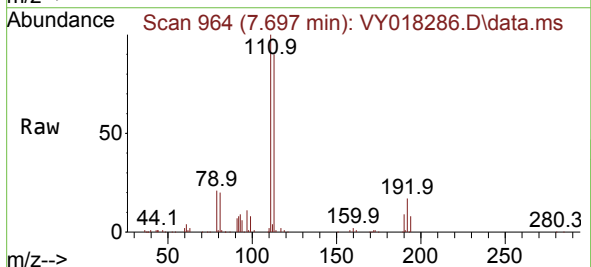
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

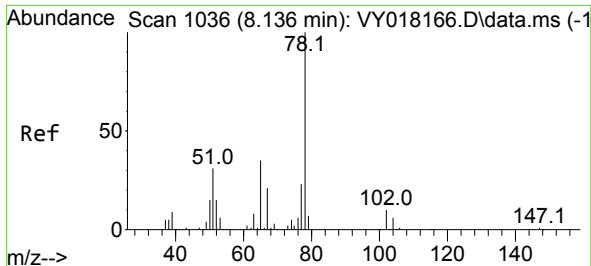
Tgt Ion: 56 Resp: 9454
Ion Ratio Lower Upper
56 100
69 72.3 28.7 43.1#
84 108.9 77.7 116.5



#32
1,1,1-Trichloroethane
Concen: 2.840 ug/l
RT: 7.697 min Scan# 964
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 97 Resp: 6643
Ion Ratio Lower Upper
97 100
99 67.7 50.3 75.5
61 44.8 32.6 48.8

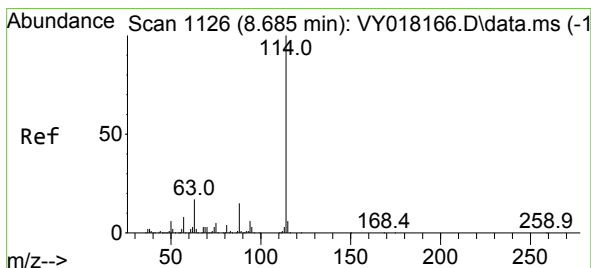
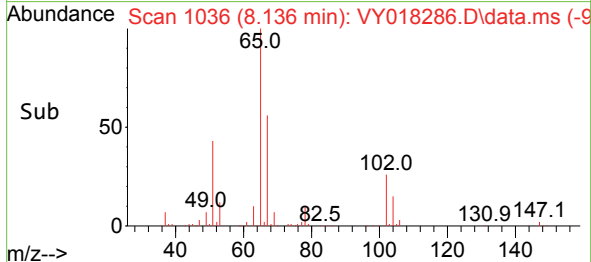
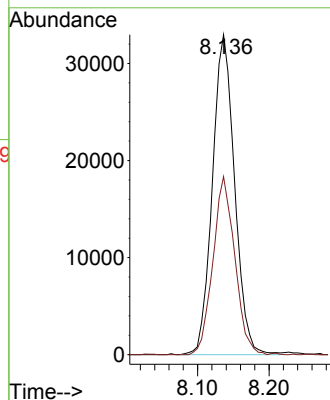
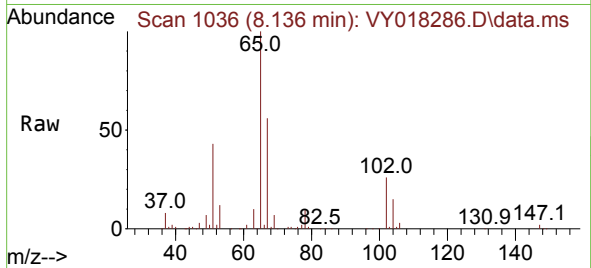




#33
 1,2-Dichloroethane-d4
 Concen: 62.109 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY018286.D
 Acq: 16 May 2024 15:13

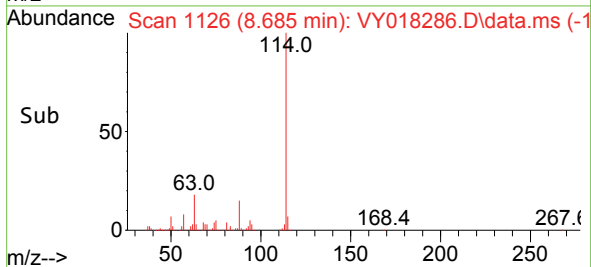
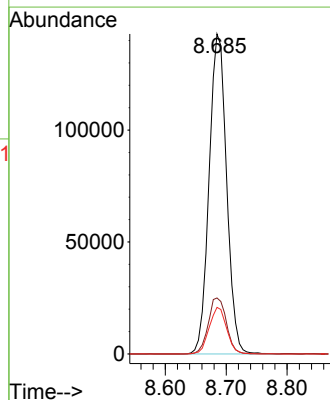
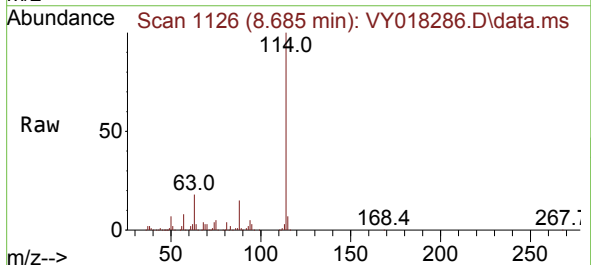
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

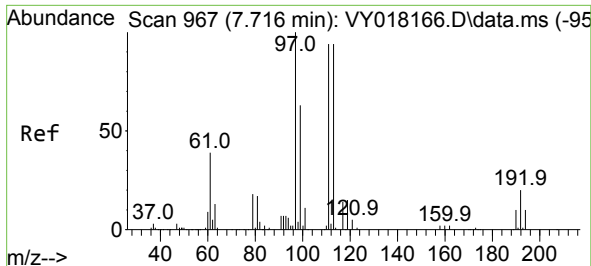
Tgt Ion: 65 Resp: 71051
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY018286.D
 Acq: 16 May 2024 15:13

Tgt Ion: 114 Resp: 285284
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.0
 88 14.5 0.0 27.2

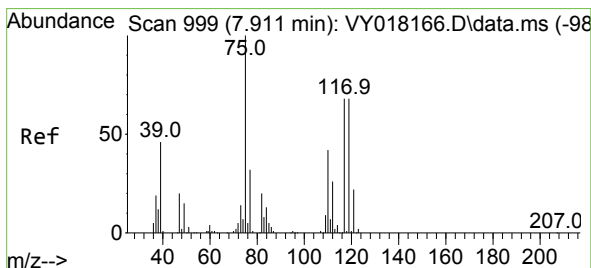
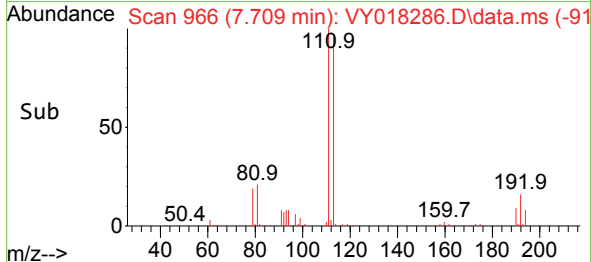
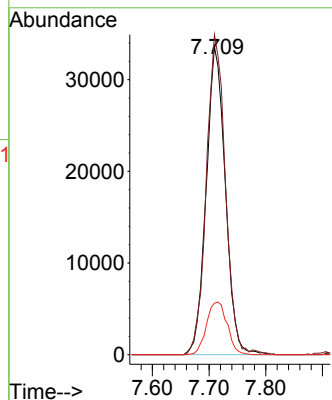
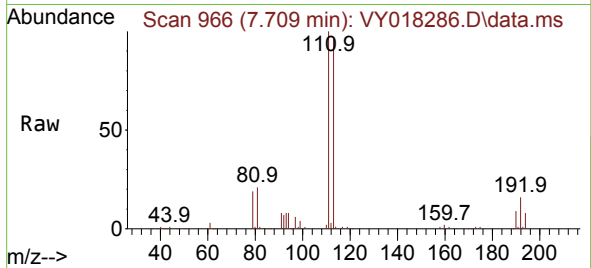




#35
Dibromofluoromethane
Concen: 52.667 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

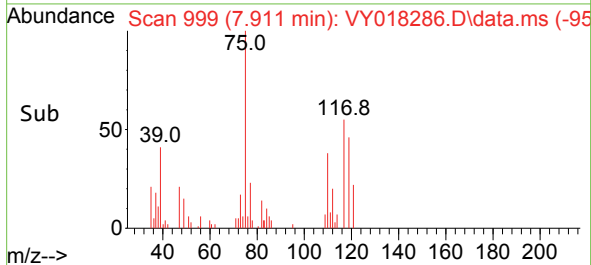
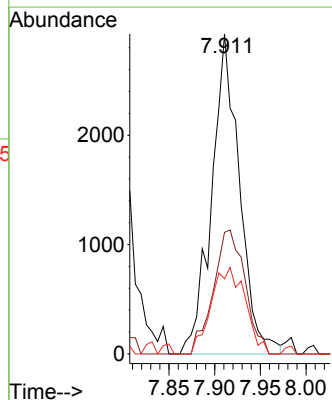
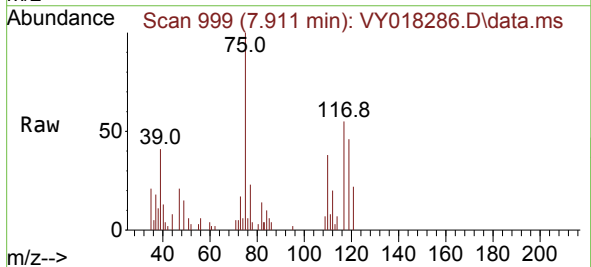
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

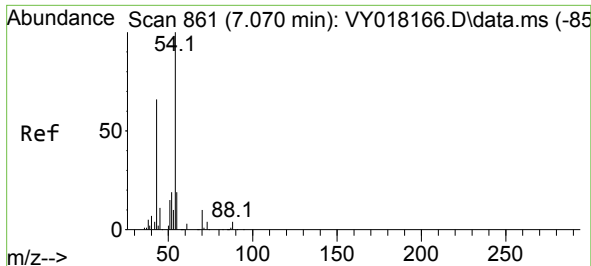
Tgt Ion:113 Resp: 78963
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 18.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 2.891 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 75 Resp: 6213
Ion Ratio Lower Upper
75 100
110 44.0 19.0 57.0
77 33.0 25.3 37.9





#37

Ethyl Acetate

Concen: 2.518 ug/l

RT: 7.069 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY018286.D

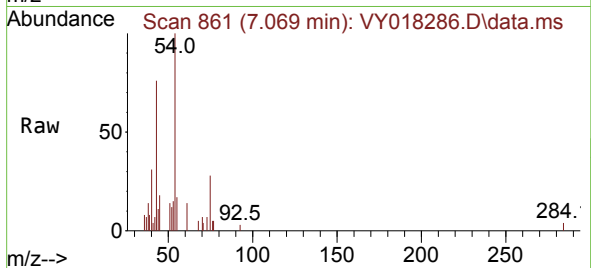
Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024



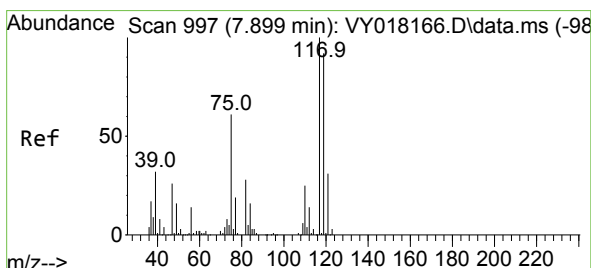
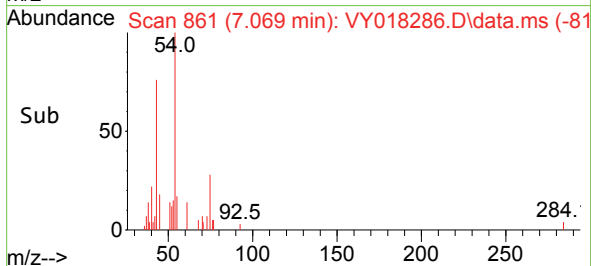
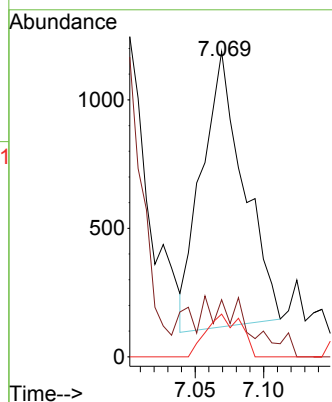
Tgt Ion: 43 Resp: 2278

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 12.9 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 2.362 ug/l

RT: 7.898 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

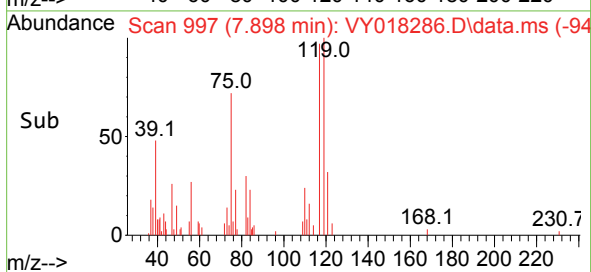
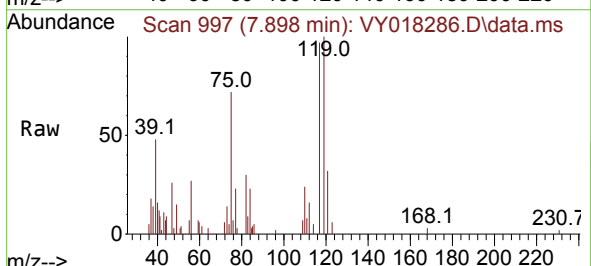
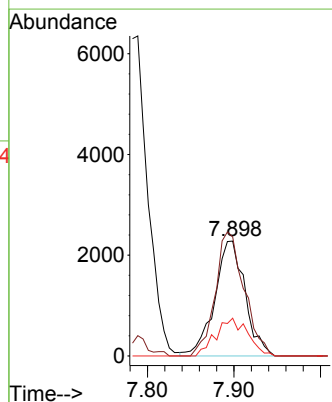
Tgt Ion: 117 Resp: 5548

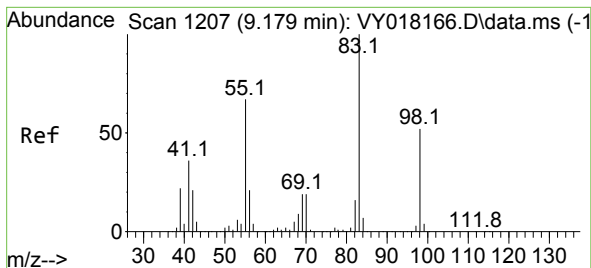
Ion Ratio Lower Upper

117 100

119 103.6 75.8 113.6

121 32.9 24.0 36.0





#39

Methylcyclohexane

Concen: 2.536 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

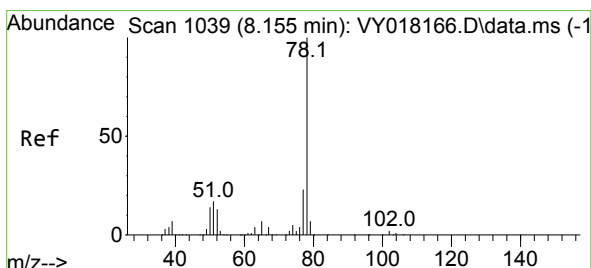
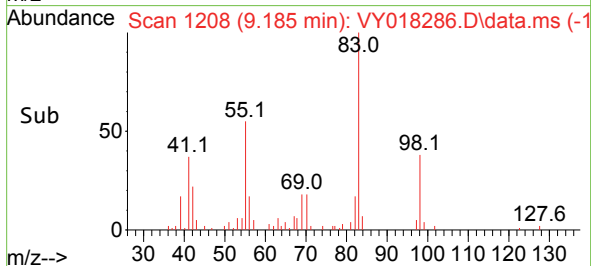
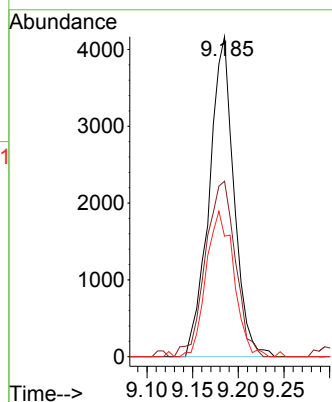
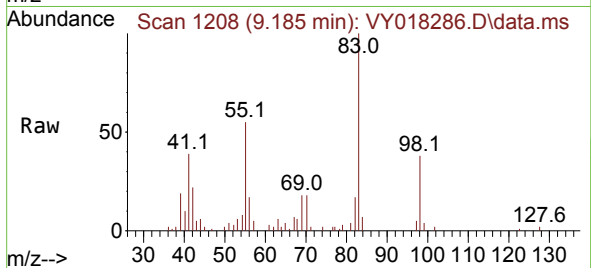
Tgt Ion: 83 Resp: 7863

Ion Ratio Lower Upper

83 100

55 54.8 51.5 77.3

98 37.7 40.5 60.7#



#40

Benzene

Concen: 2.702 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY018286.D

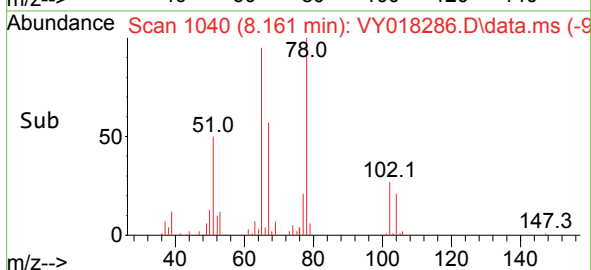
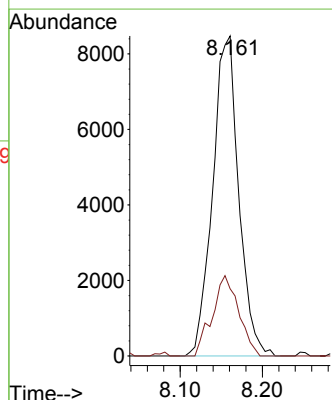
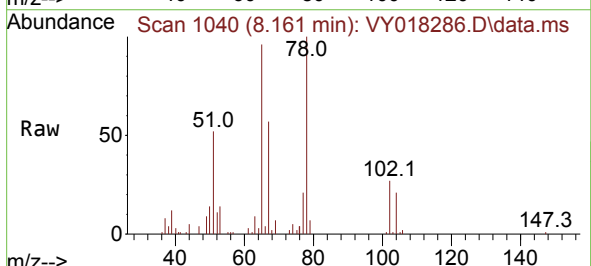
Acq: 16 May 2024 15:13

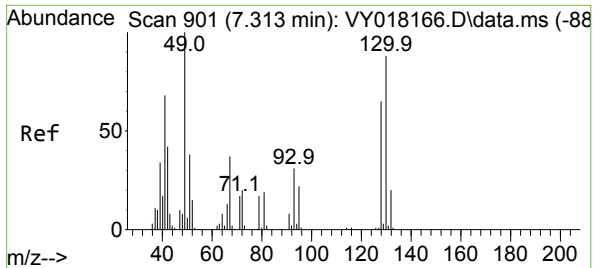
Tgt Ion: 78 Resp: 18678

Ion Ratio Lower Upper

78 100

77 21.0 19.5 29.3

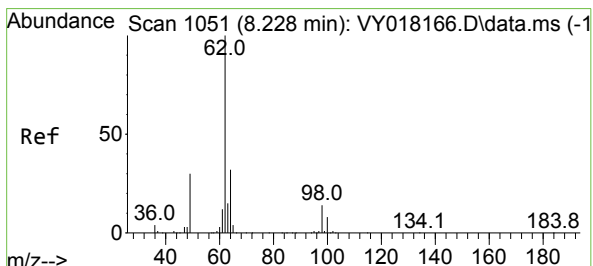
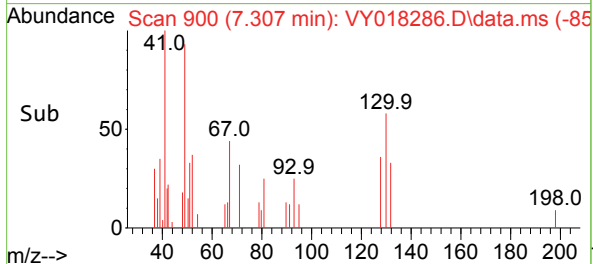
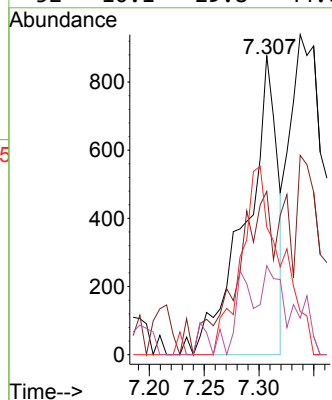
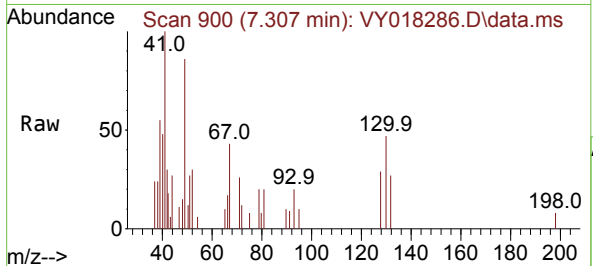




#41
Methacrylonitrile
Concen: 3.381 ug/l
RT: 7.307 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

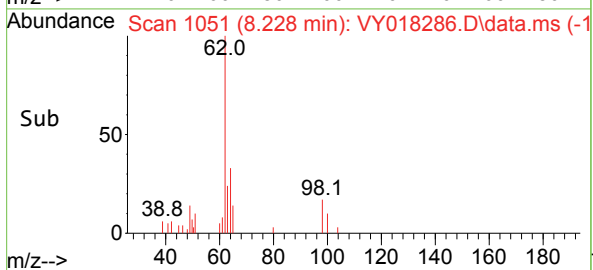
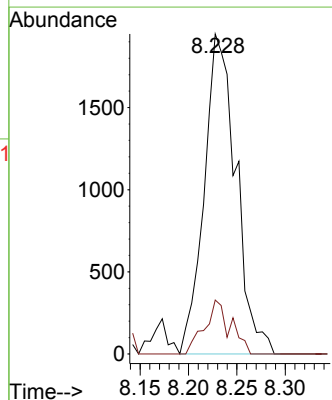
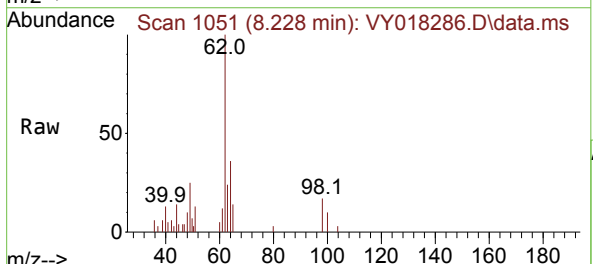
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

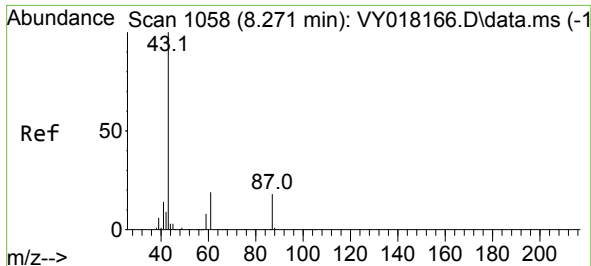
Tgt Ion: 41 Resp: 1766
Ion Ratio Lower Upper
41 100
39 61.0 48.0 72.0
67 78.7 75.1 112.7
52 10.1 29.8 44.6#



#42
1,2-Dichloroethane
Concen: 2.963 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 62 Resp: 4457
Ion Ratio Lower Upper
62 100
98 13.7 0.0 22.0

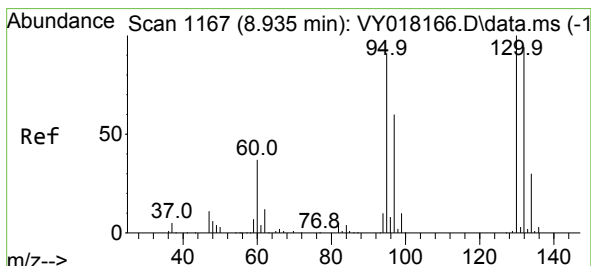
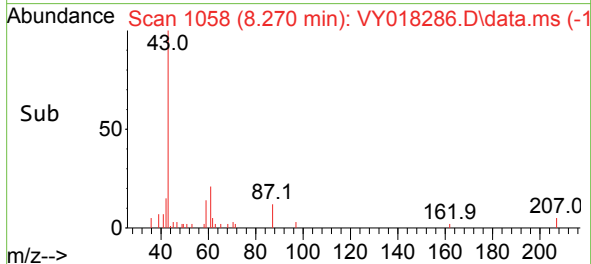
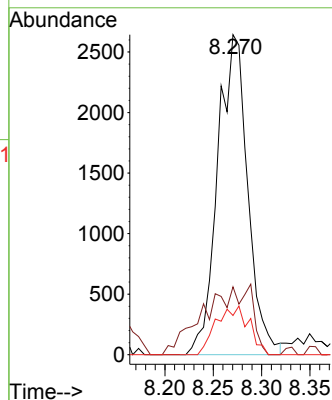
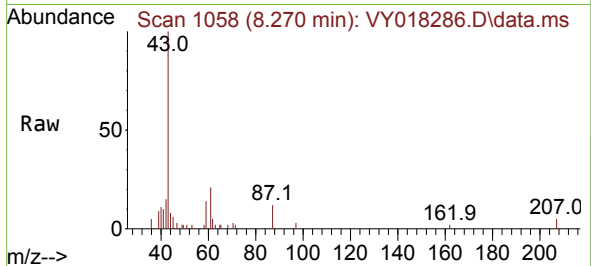




#43
Isopropyl Acetate
Concen: 3.077 ug/l
RT: 8.270 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

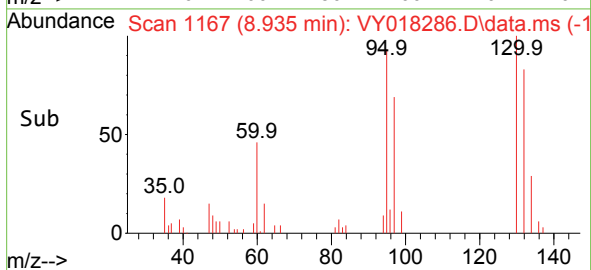
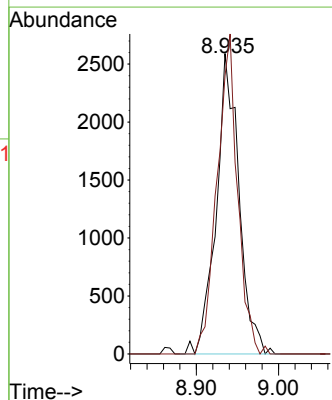
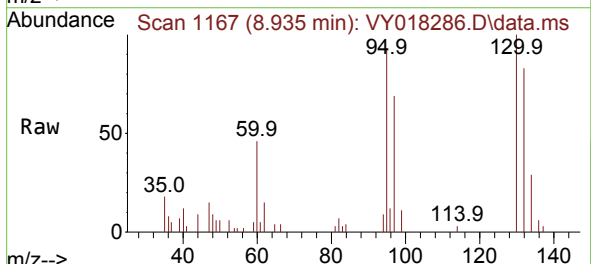
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

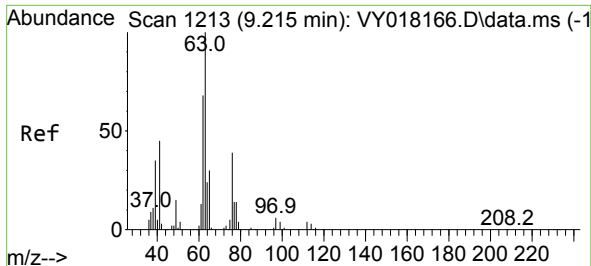
Tgt Ion: 43 Resp: 5705
Ion Ratio Lower Upper
43 100
61 0.0 27.9 41.9#
87 16.6 13.1 19.7



#44
Trichloroethene
Concen: 2.650 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion:130 Resp: 4987
Ion Ratio Lower Upper
130 100
95 92.6 0.0 188.0





#45

1,2-Dichloropropane

Concen: 2.702 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. -0.006 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

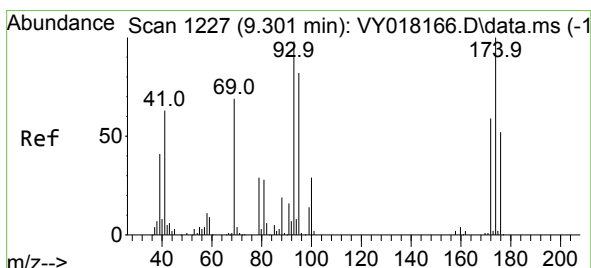
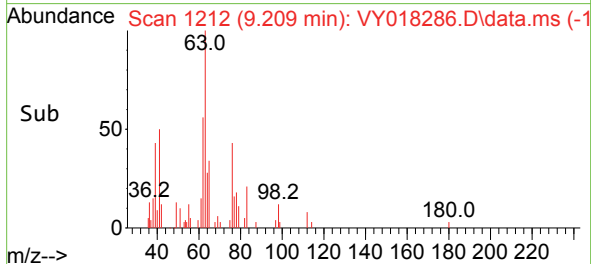
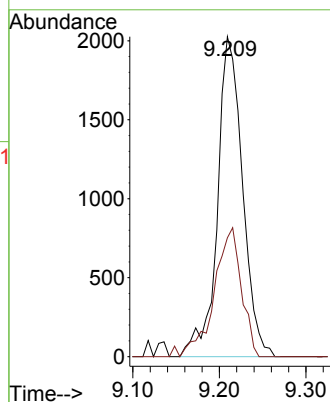
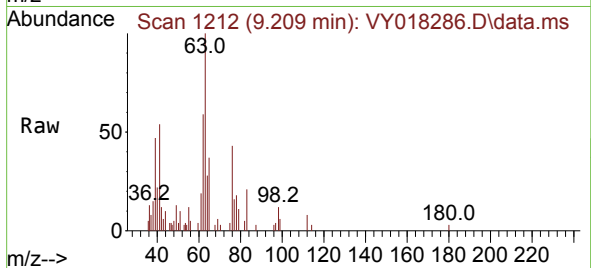
MDL-SOIL-03-QT2-2024

Tgt Ion: 63 Resp: 4084

Ion Ratio Lower Upper

63 100

65 37.2 25.4 38.2



#46

Dibromomethane

Concen: 3.038 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

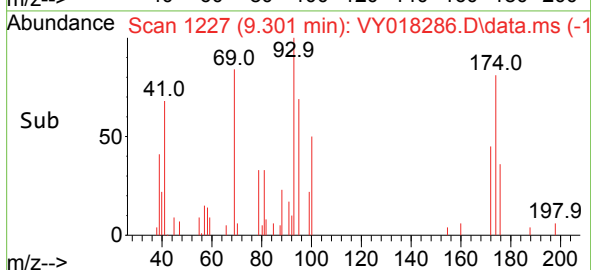
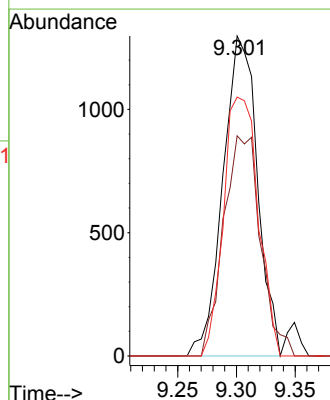
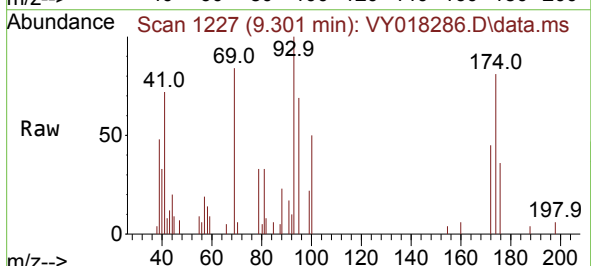
Tgt Ion: 93 Resp: 2640

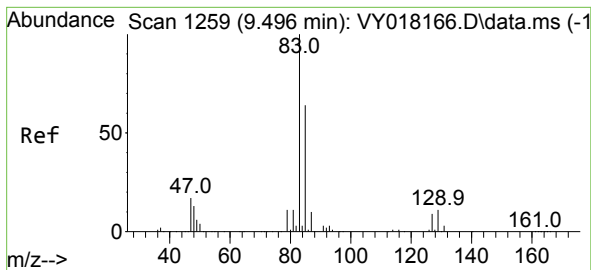
Ion Ratio Lower Upper

93 100

95 74.2 66.2 99.4

174 81.8 80.9 121.3





#47

Bromodichloromethane

Concen: 2.554 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

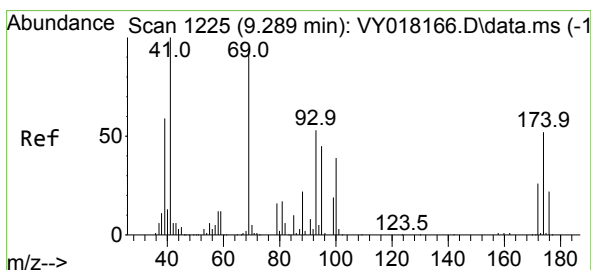
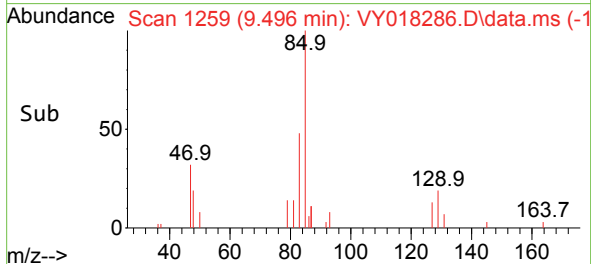
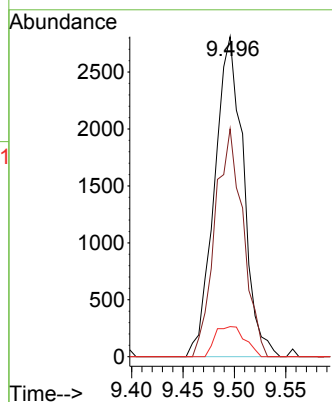
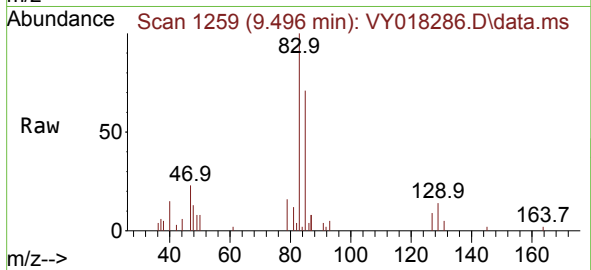
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 83	Resp: 5486
Ion Ratio	Lower Upper
83	100
85	71.2 50.1 75.1
127	9.4 7.4 11.0



#48

Methyl methacrylate

Concen: 2.905 ug/l

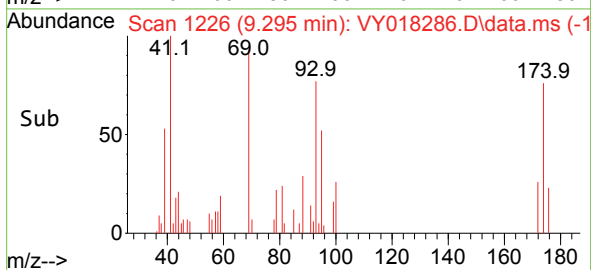
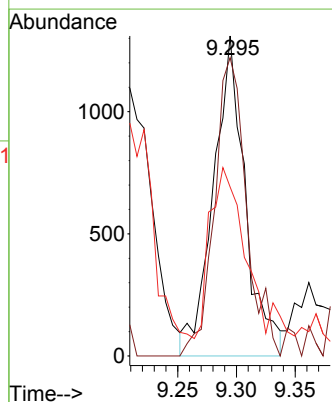
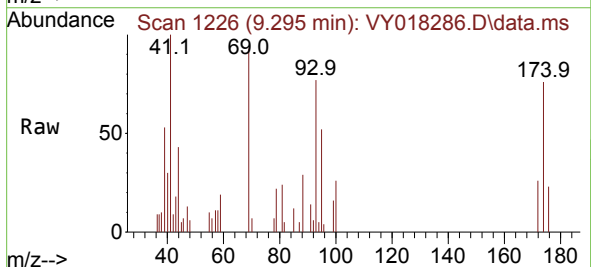
RT: 9.295 min Scan# 1226

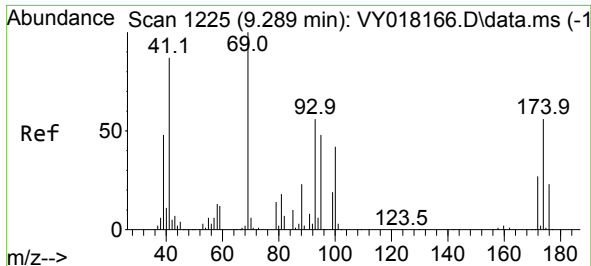
Delta R.T. 0.006 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Tgt Ion: 41	Resp: 2469
Ion Ratio	Lower Upper
41	100
69	93.5 84.1 126.1
39	58.7 43.6 65.4





#49

1,4-Dioxane

Concen: 62.858 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.006 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

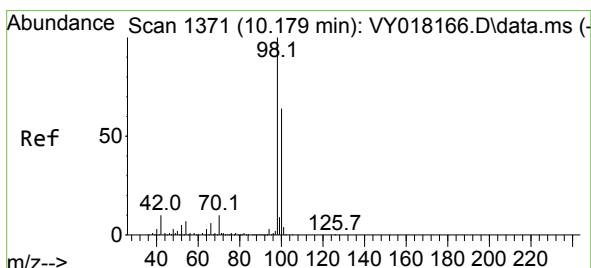
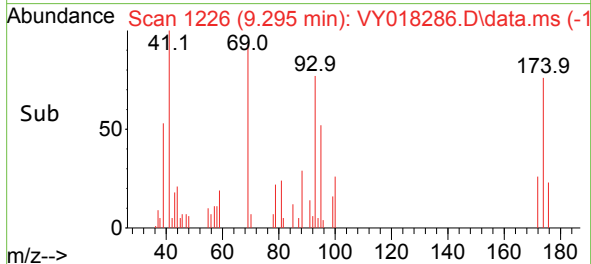
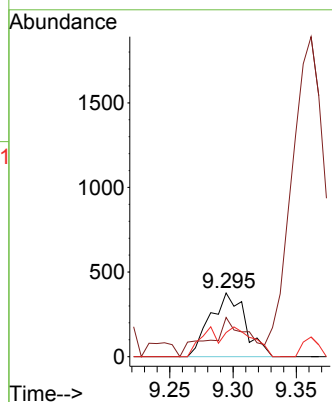
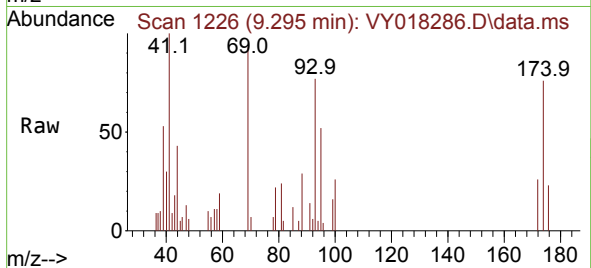
Tgt Ion: 88 Resp: 725

Ion Ratio Lower Upper

88 100

43 65.4 0.0 0.0#

58 37.8 49.3 73.9#



#50

Toluene-d8

Concen: 52.495 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018286.D

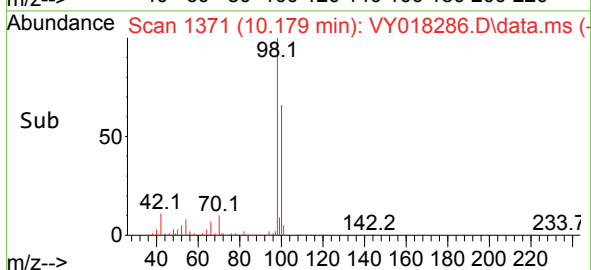
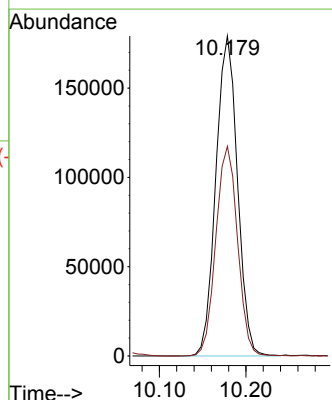
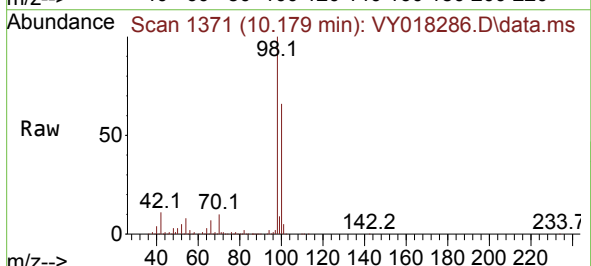
Acq: 16 May 2024 15:13

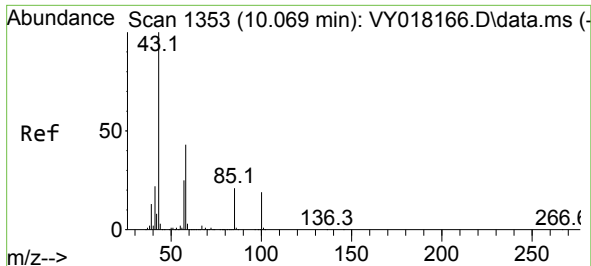
Tgt Ion: 98 Resp: 310150

Ion Ratio Lower Upper

98 100

100 65.8 52.0 78.0

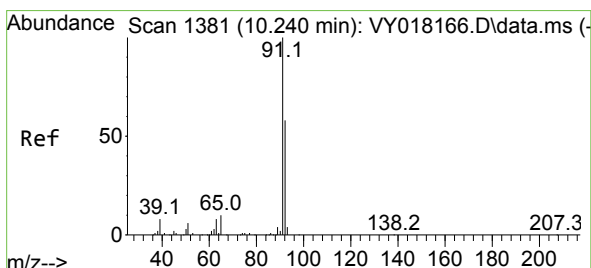
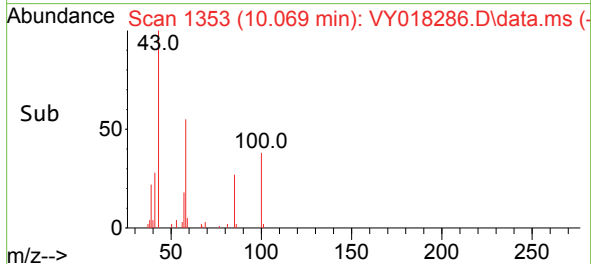
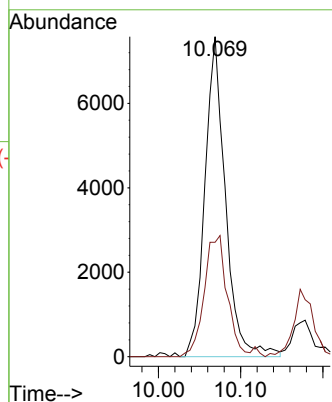
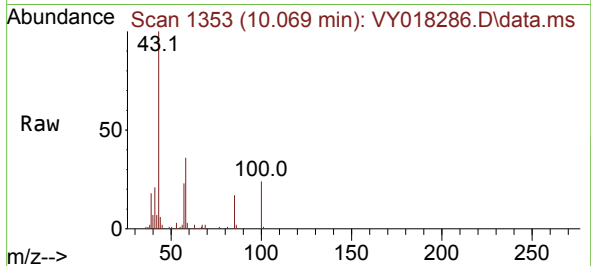




#51
4-Methyl-2-Pentanone
Concen: 14.077 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

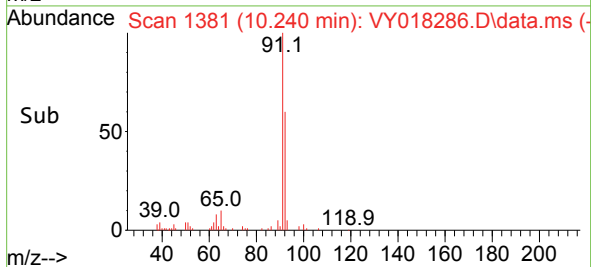
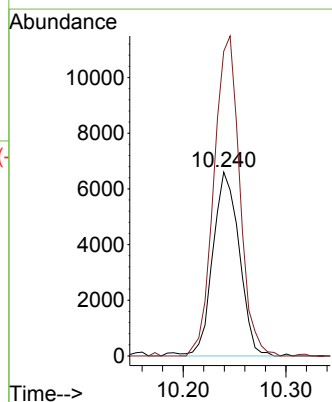
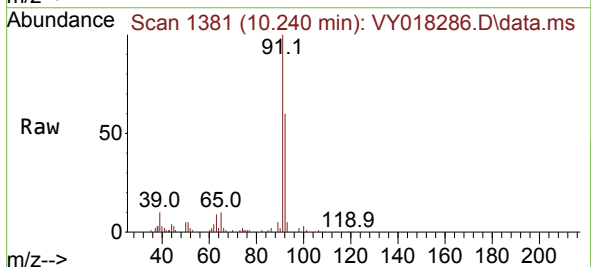
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

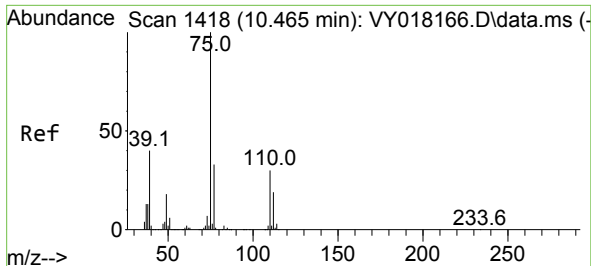
Tgt Ion: 43 Resp: 13119
Ion Ratio Lower Upper
43 100
58 42.5 35.7 53.5



#52
Toluene
Concen: 2.638 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 92 Resp: 11741
Ion Ratio Lower Upper
92 100
91 170.6 139.0 208.6

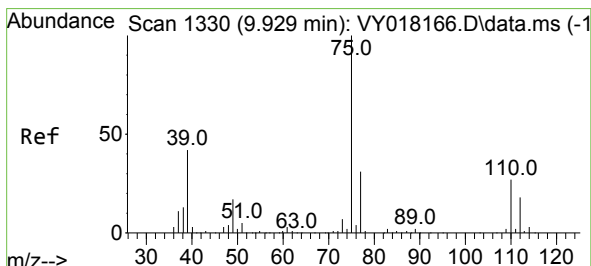
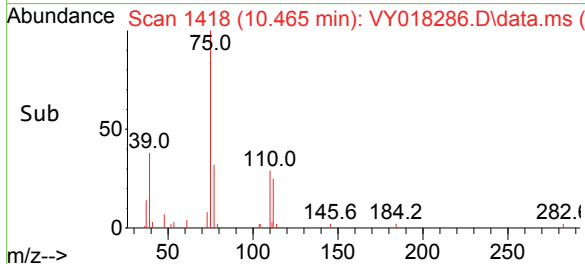
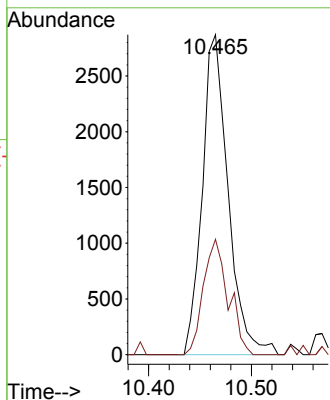
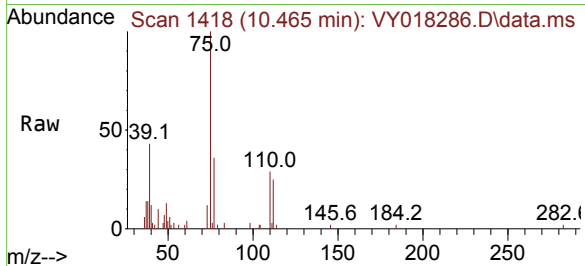




#53
t-1,3-Dichloropropene
Concen: 2.501 ug/l
RT: 10.465 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

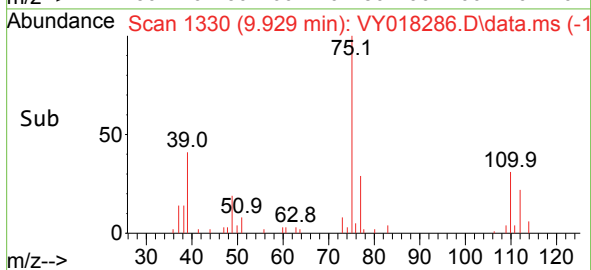
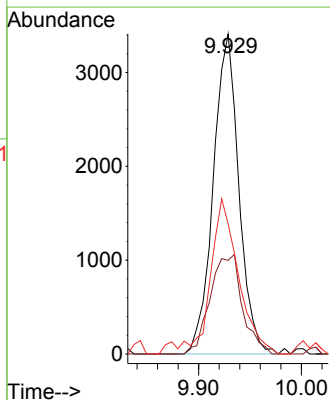
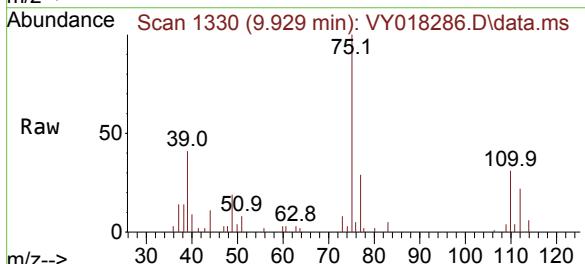
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

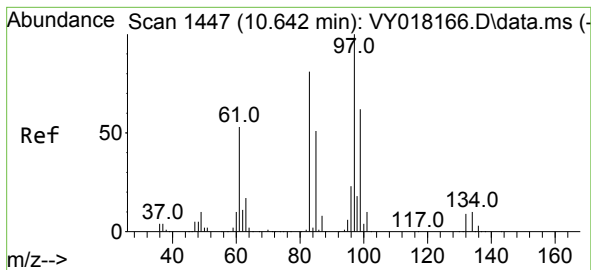
Tgt Ion: 75 Resp: 5019
Ion Ratio Lower Upper
75 100
77 36.1 24.1 36.1



#54
cis-1,3-Dichloropropene
Concen: 2.404 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 75 Resp: 5897
Ion Ratio Lower Upper
75 100
77 29.3 25.4 38.0
39 40.6 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 2.928 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 97 Resp: 3495

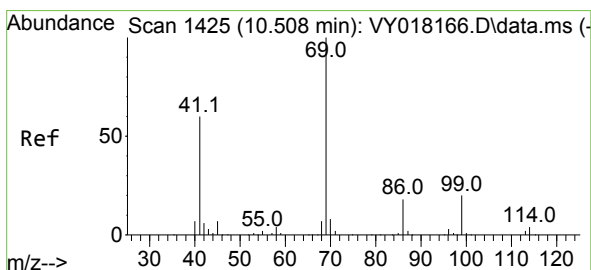
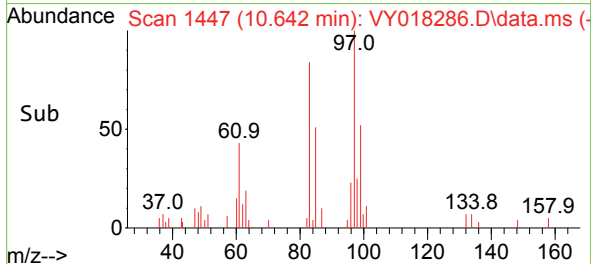
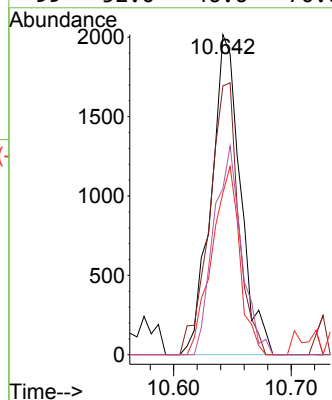
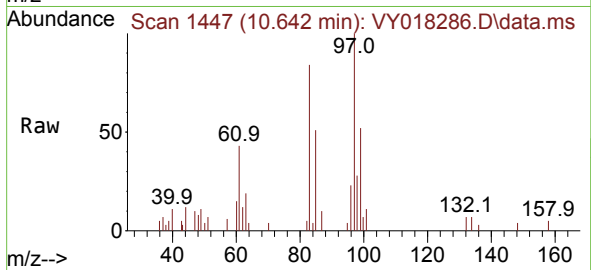
Ion Ratio Lower Upper

97 100

83 84.0 67.5 101.3

85 50.5 42.9 64.3

99 52.0 46.6 70.0



#56

Ethyl methacrylate

Concen: 2.536 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

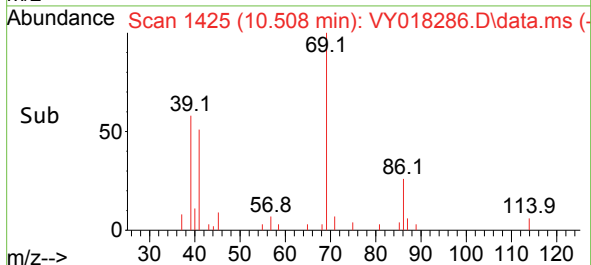
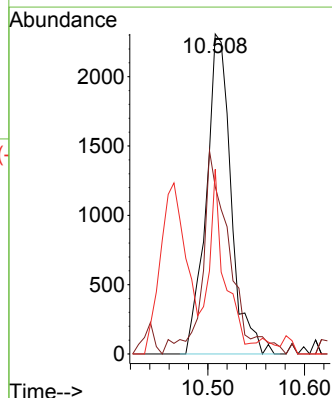
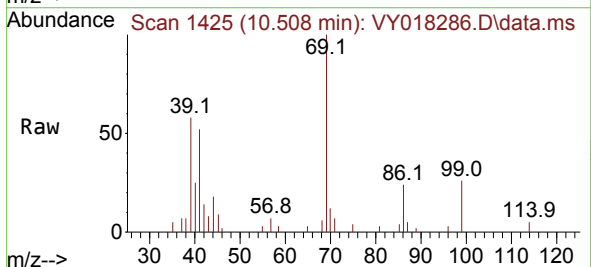
Tgt Ion: 69 Resp: 4111

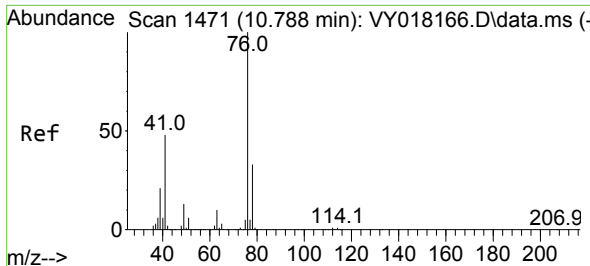
Ion Ratio Lower Upper

69 100

41 68.8 42.3 63.5#

39 33.2 22.9 34.3

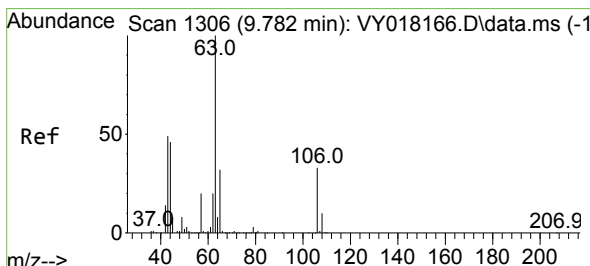
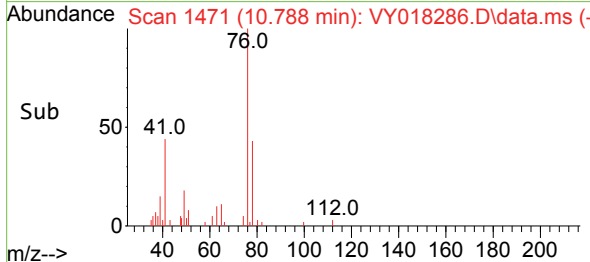
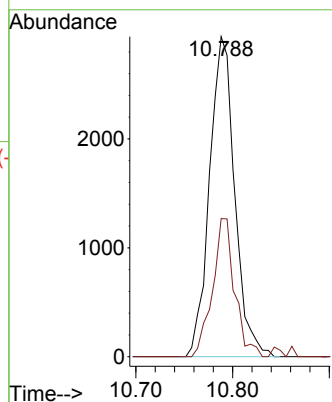
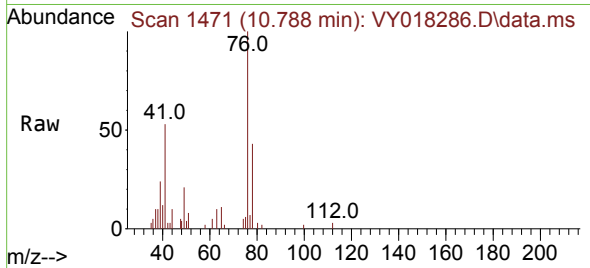




#57
1,3-Dichloropropane
Concen: 2.733 ug/l
RT: 10.788 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

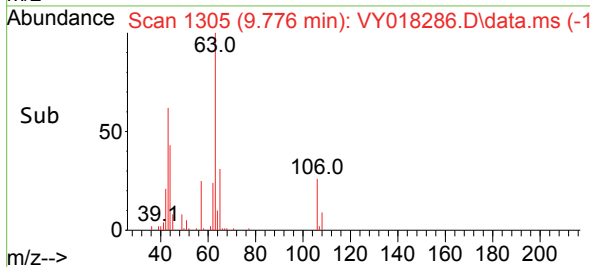
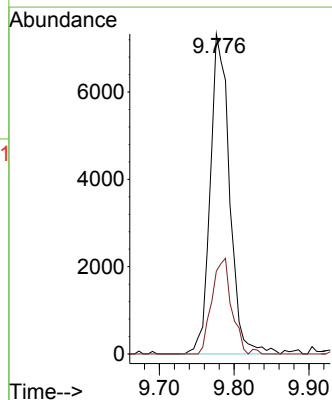
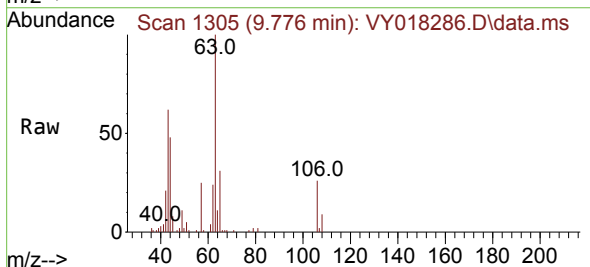
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

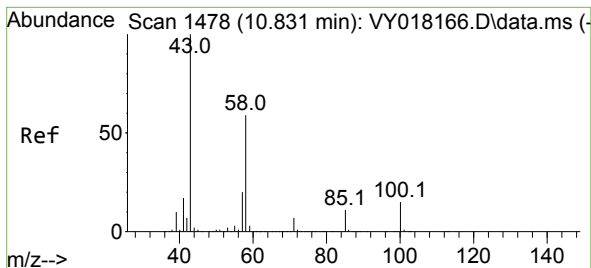
Tgt Ion	Ratio	Lower	Upper
76	100		
78	37.9	26.2	39.4



#58
2-Chloroethyl Vinyl ether
Concen: 17.093 ug/l
RT: 9.776 min Scan# 1305
Delta R.T. -0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.7	35.5





#59

2-Hexanone

Concen: 13.408 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

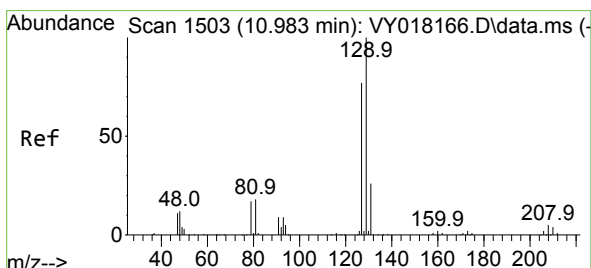
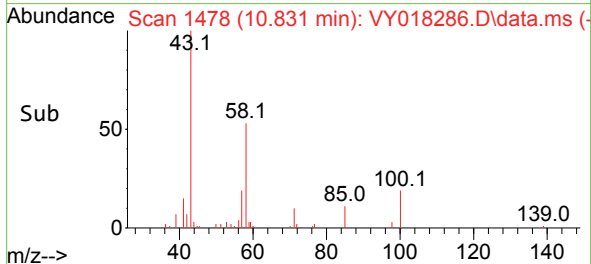
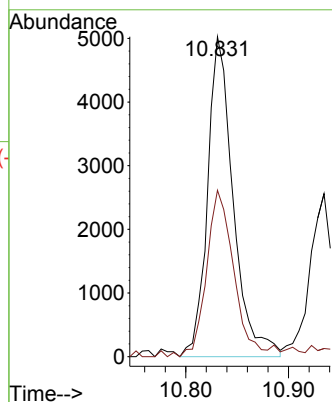
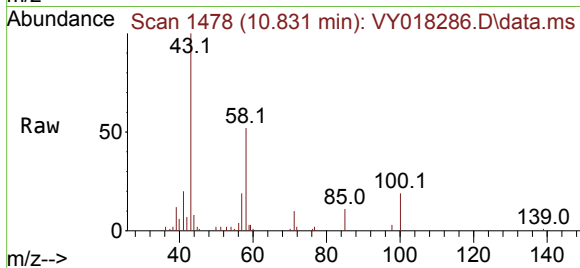
MDL-SOIL-03-QT2-2024

Tgt Ion: 43 Resp: 8737

Ion Ratio Lower Upper

43 100

58 54.6 31.4 94.0



#60

Dibromochloromethane

Concen: 2.354 ug/l

RT: 10.983 min Scan# 1503

Delta R.T. -0.000 min

Lab File: VY018286.D

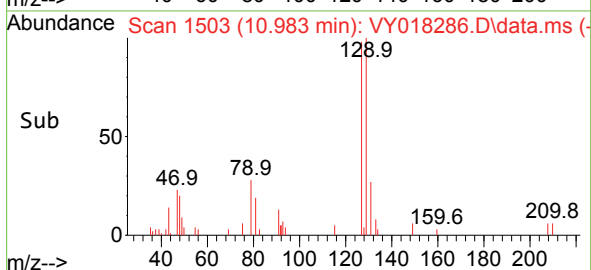
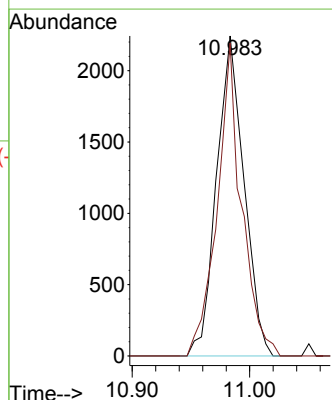
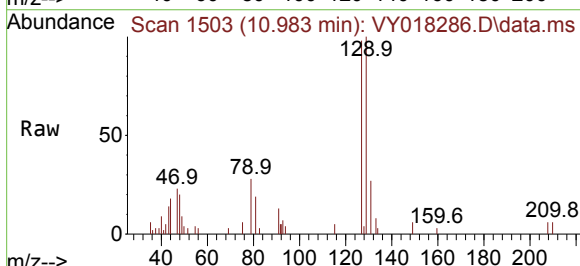
Acq: 16 May 2024 15:13

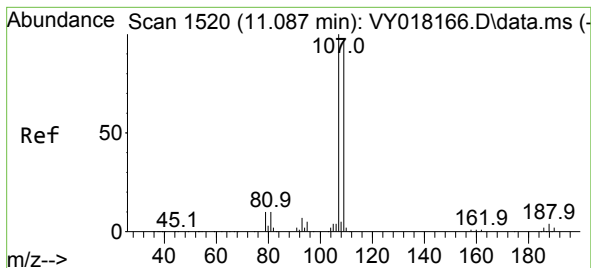
Tgt Ion: 129 Resp: 3645

Ion Ratio Lower Upper

129 100

127 86.7 39.0 117.0





#61

1,2-Dibromoethane

Concen: 3.094 ug/l

RT: 11.087 min Scan# 1520

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

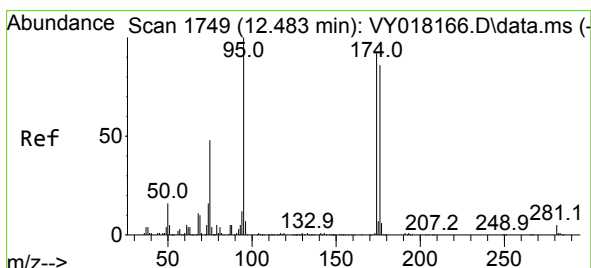
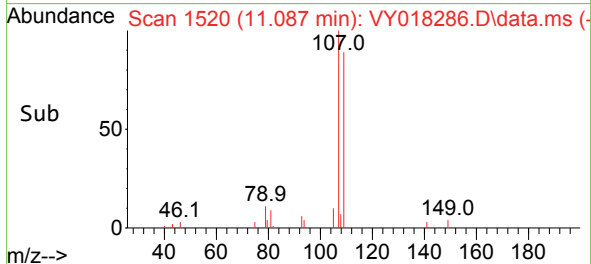
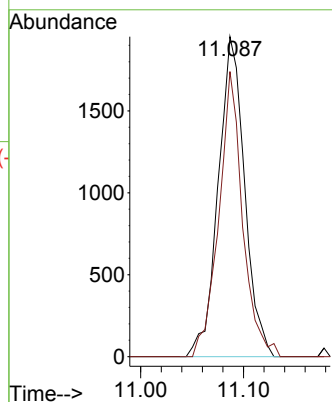
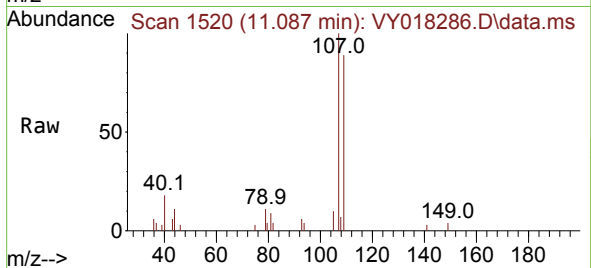
MDL-SOIL-03-QT2-2024

Tgt Ion:107 Resp: 3479

Ion Ratio Lower Upper

107 100

109 80.2 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 49.383 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

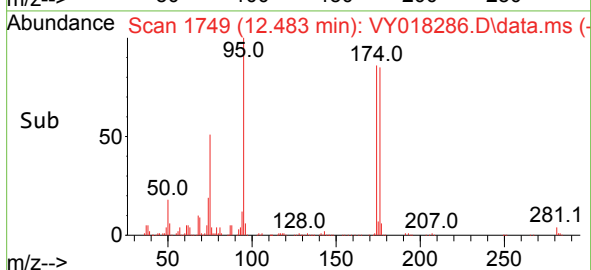
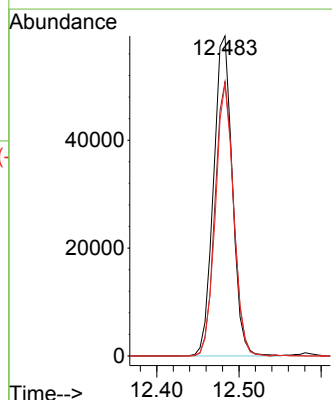
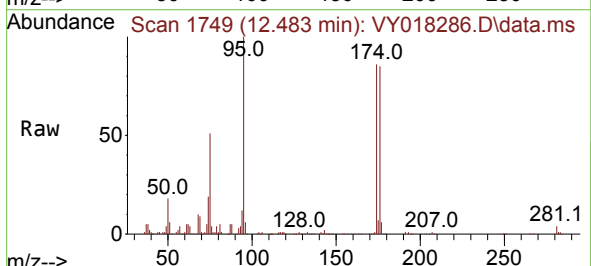
Tgt Ion: 95 Resp: 94223

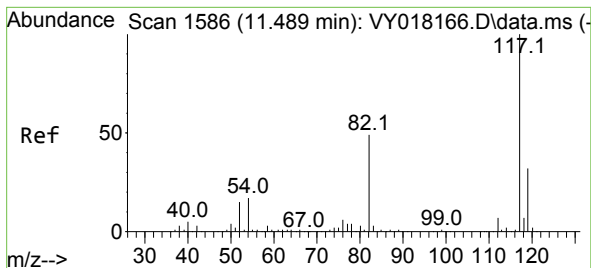
Ion Ratio Lower Upper

95 100

174 84.9 0.0 175.6

176 82.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

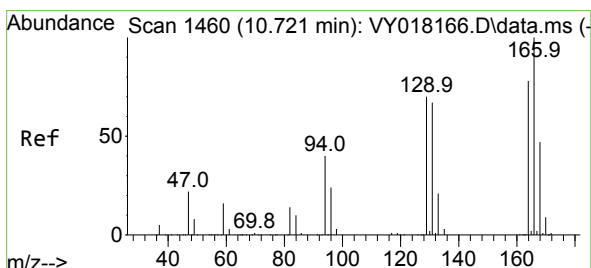
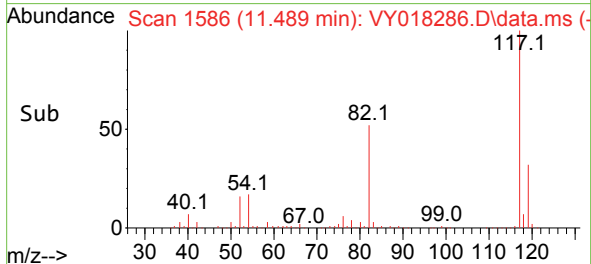
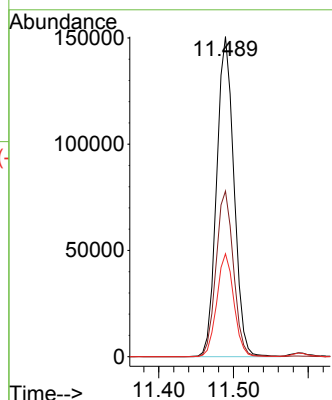
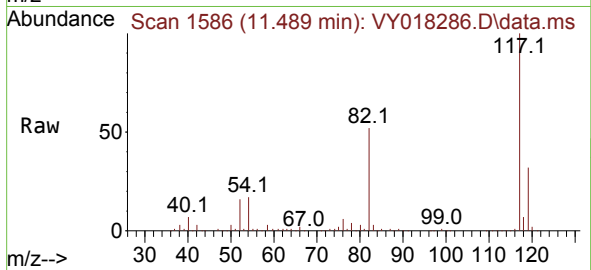
Tgt Ion:117 Resp: 242071

Ion Ratio Lower Upper

117 100

82 51.8 42.4 63.6

119 32.2 25.9 38.9



#64

Tetrachloroethene

Concen: 2.873 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Tgt Ion:164 Resp: 4630

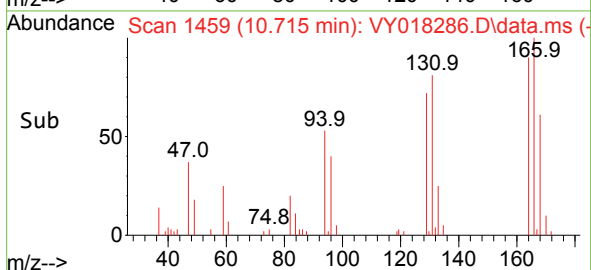
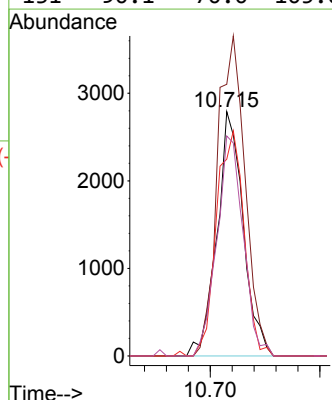
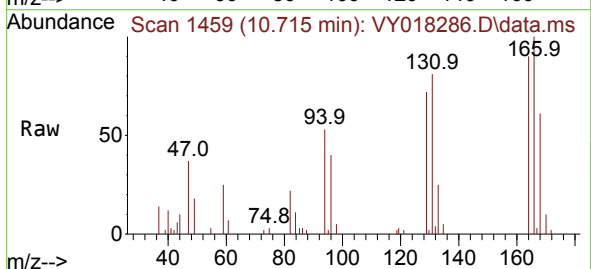
Ion Ratio Lower Upper

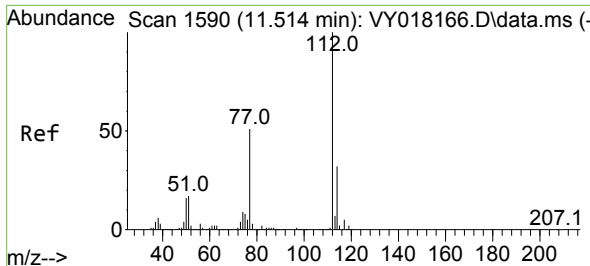
164 100

166 111.2 102.6 154.0

129 80.5 72.0 108.0

131 90.1 70.0 105.0

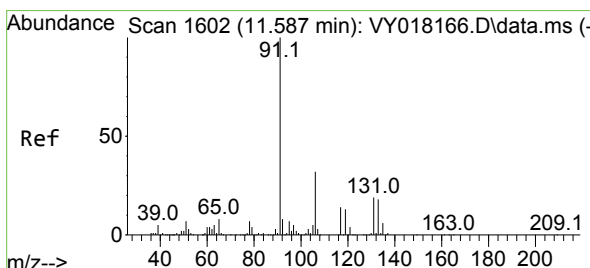
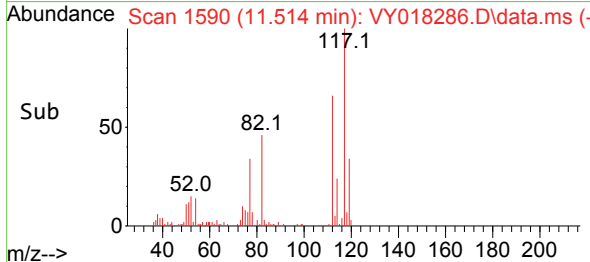
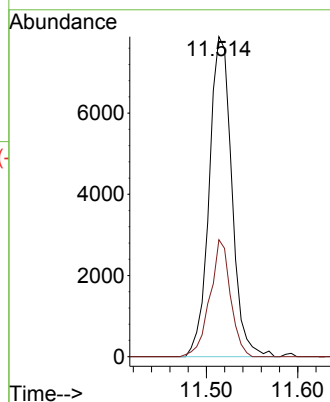
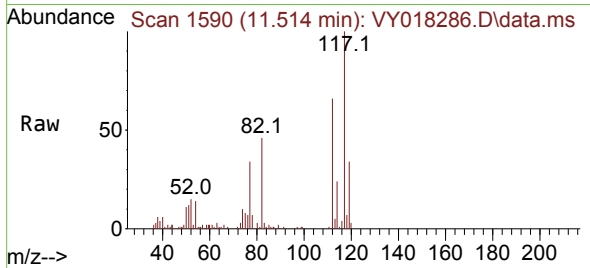




#65
Chlorobenzene
Concen: 2.743 ug/l
RT: 11.514 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

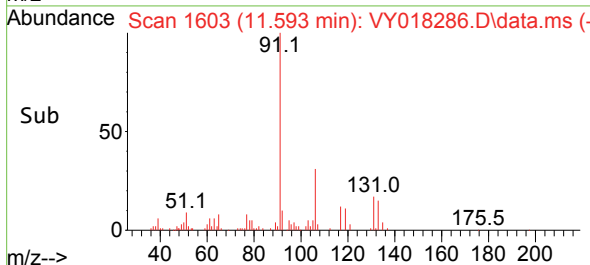
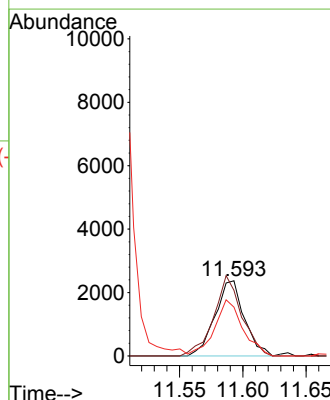
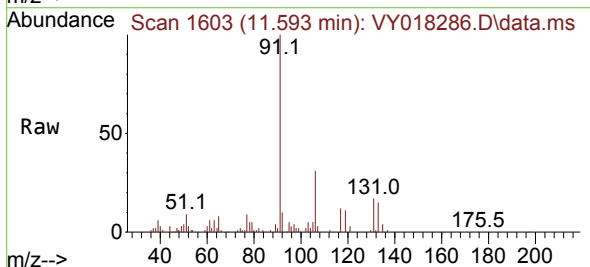
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

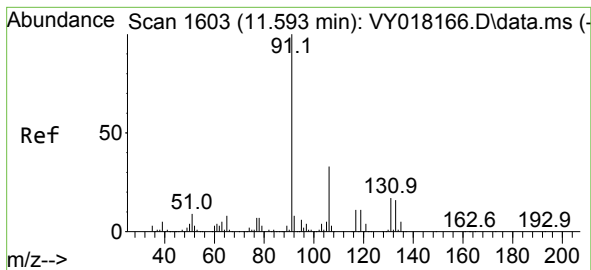
Tgt Ion:112 Resp: 13522
Ion Ratio Lower Upper
112 100
114 36.6 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 2.398 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion:131 Resp: 3824
Ion Ratio Lower Upper
131 100
133 101.9 47.8 143.3
119 71.6 34.1 102.2





#67

Ethyl Benzene

Concen: 2.626 ug/l

RT: 11.593 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

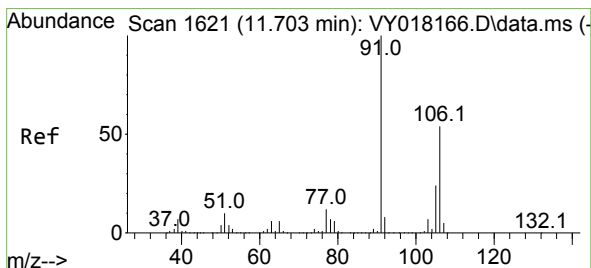
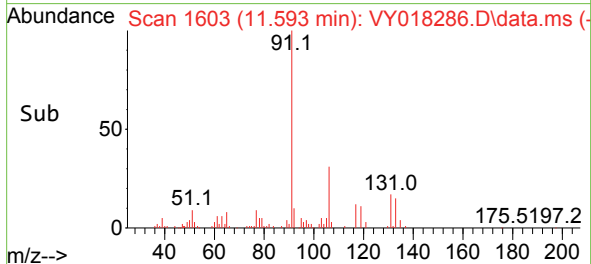
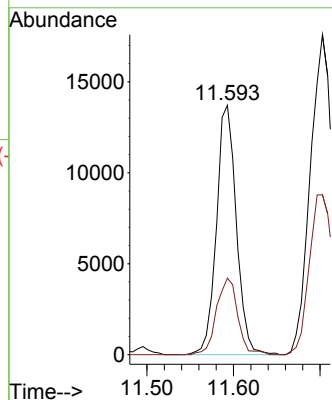
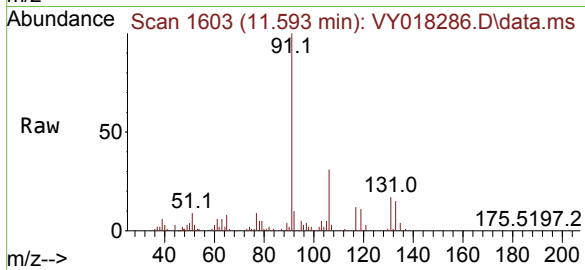
MDL-SOIL-03-QT2-2024

Tgt Ion: 91 Resp: 21856

Ion Ratio Lower Upper

91 100

106 30.7 24.5 36.7



#68

m/p-Xylenes

Concen: 5.192 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY018286.D

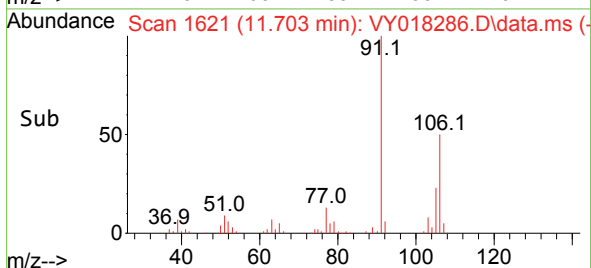
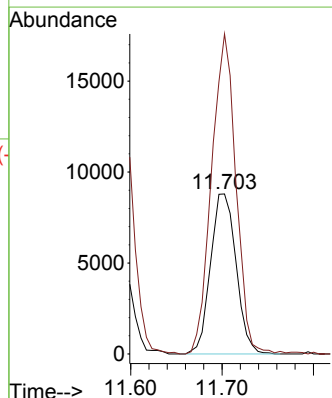
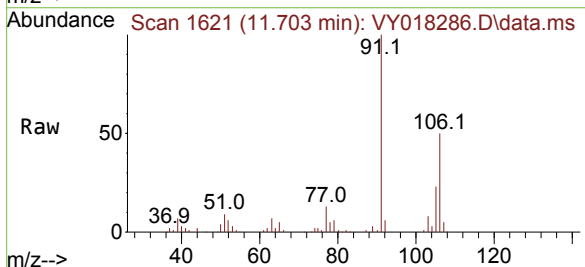
Acq: 16 May 2024 15:13

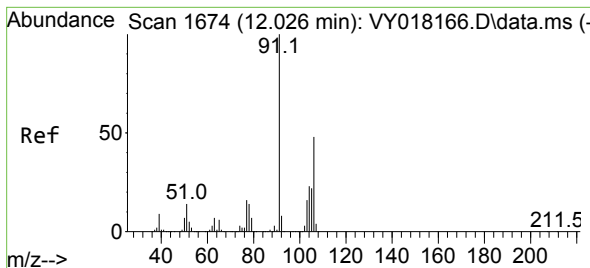
Tgt Ion:106 Resp: 17093

Ion Ratio Lower Upper

106 100

91 191.3 156.0 234.0





#69

o-Xylene

Concen: 2.666 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

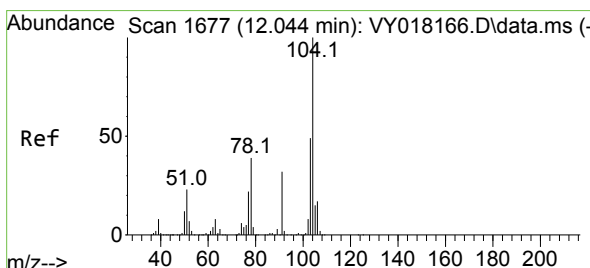
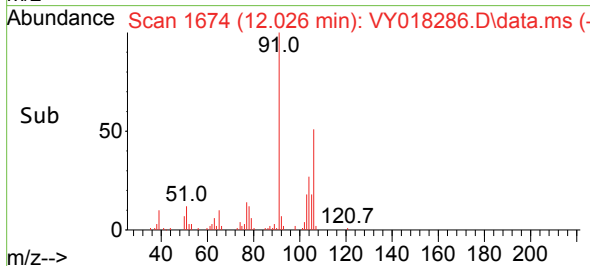
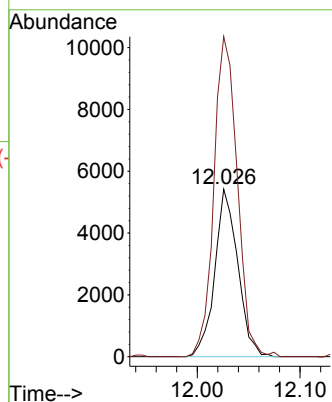
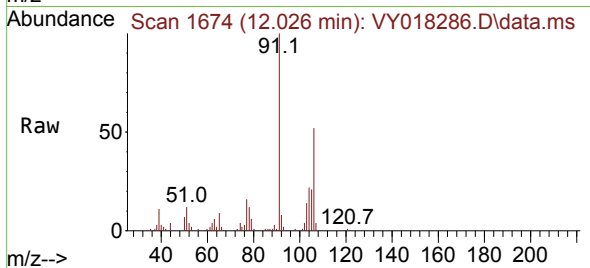
MDL-SOIL-03-QT2-2024

Tgt Ion:106 Resp: 8423

Ion Ratio Lower Upper

106 100

91 194.4 103.6 310.8



#70

Styrene

Concen: 2.486 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

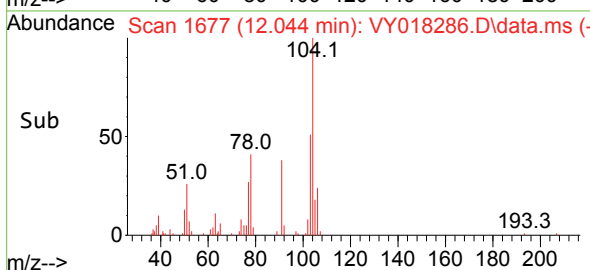
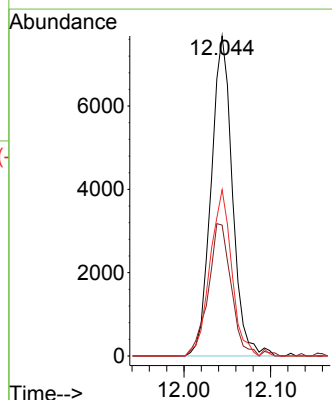
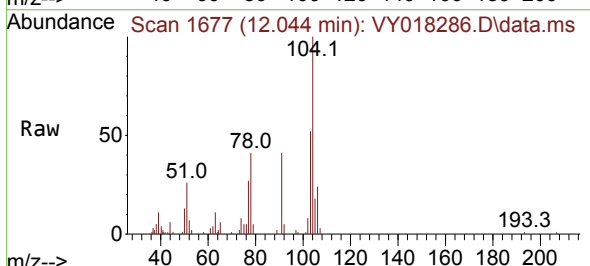
Tgt Ion:104 Resp: 13116

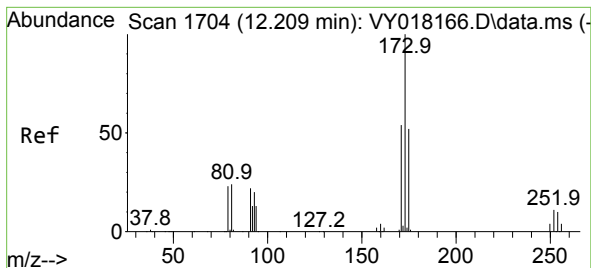
Ion Ratio Lower Upper

104 100

78 44.3 37.0 55.4

103 53.0 44.2 66.2





#71

Bromoform

Concen: 2.227 ug/l

RT: 12.209 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

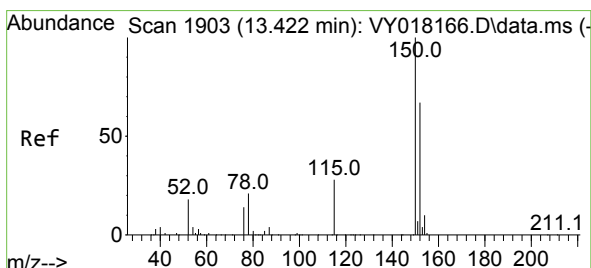
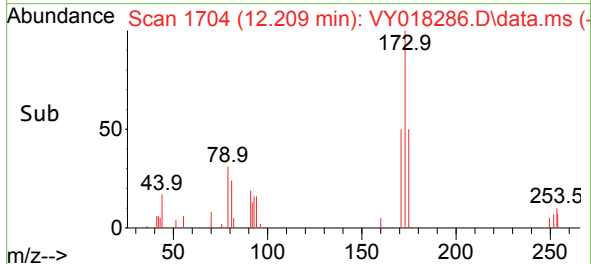
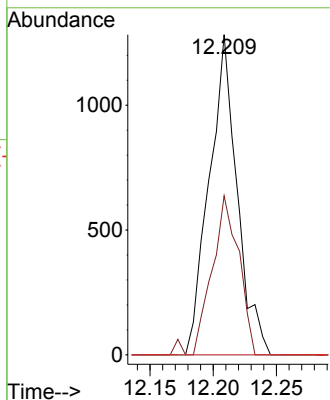
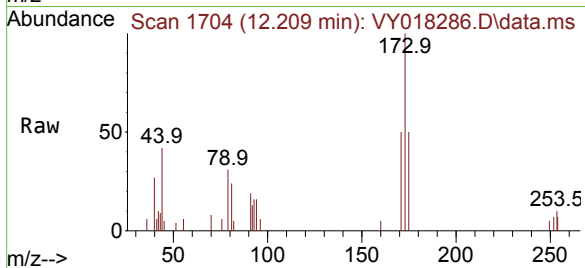
Tgt Ion:173 Resp: 1965

Ion Ratio Lower Upper

173 100

175 48.5 25.1 75.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

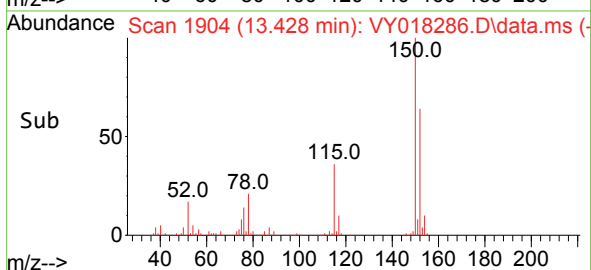
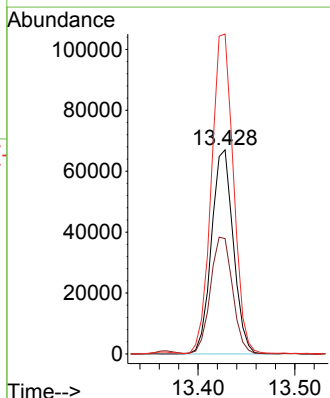
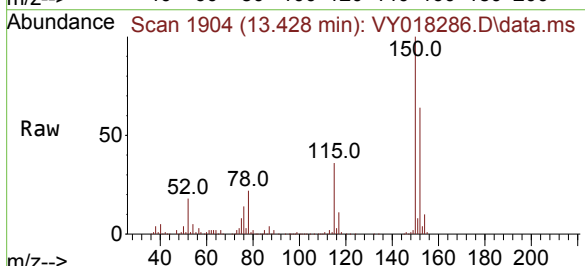
Tgt Ion:152 Resp: 105154

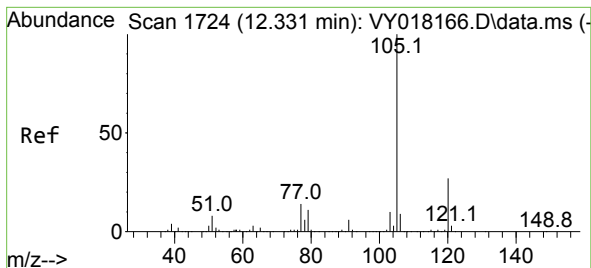
Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.7

150 159.1 0.0 345.6





#73

Isopropylbenzene

Concen: 2.567 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

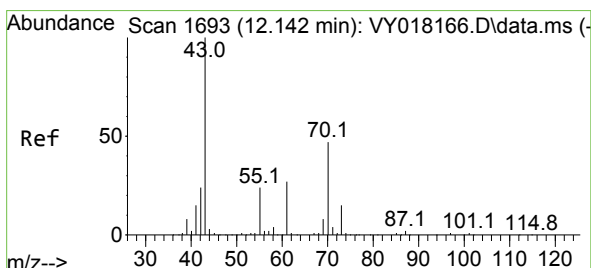
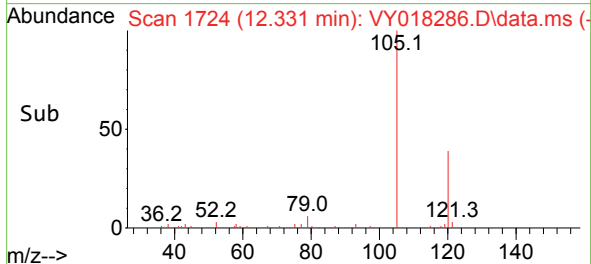
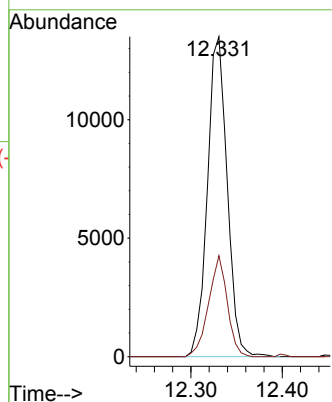
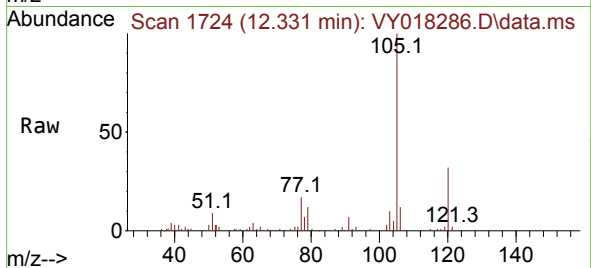
MDL-SOIL-03-QT2-2024

Tgt Ion:105 Resp: 20237

Ion Ratio Lower Upper

105 100

120 29.8 13.4 40.1



#74

N-ethyl acetate

Concen: 2.599 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Tgt Ion: 43 Resp: 4254

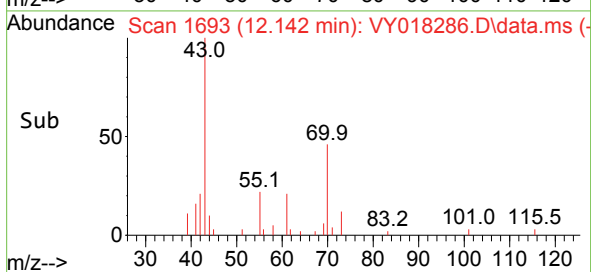
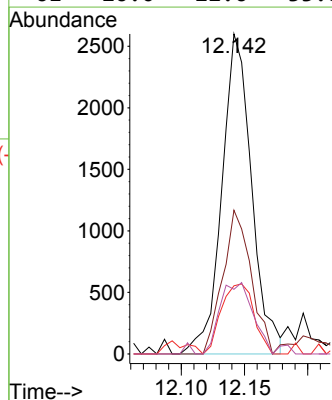
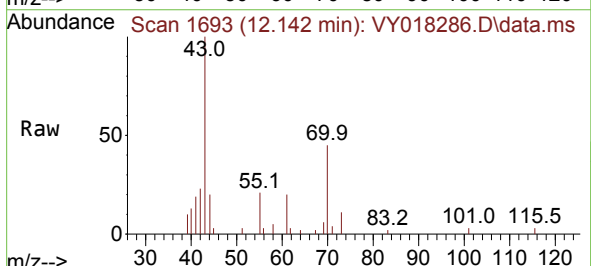
Ion Ratio Lower Upper

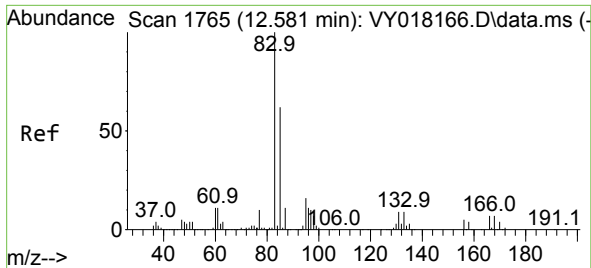
43 100

70 43.1 41.4 62.2

55 23.9 23.3 34.9

61 26.0 22.6 33.8

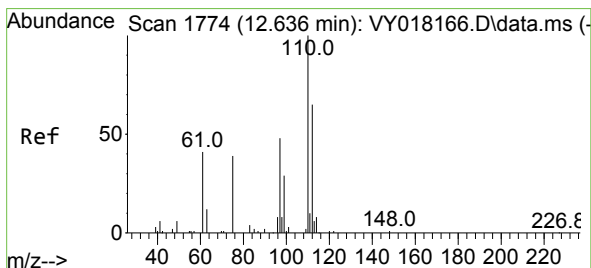
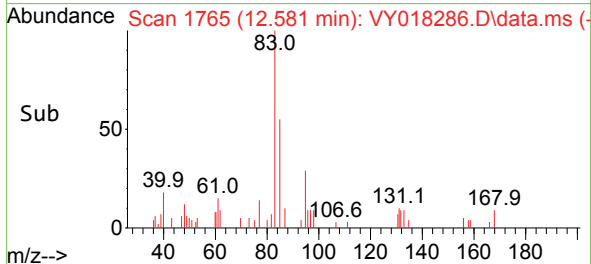
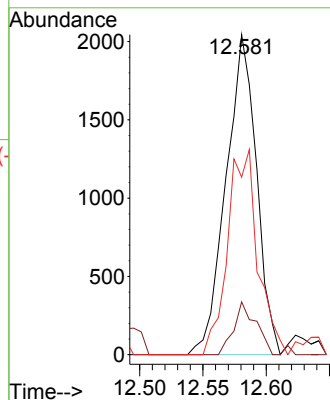
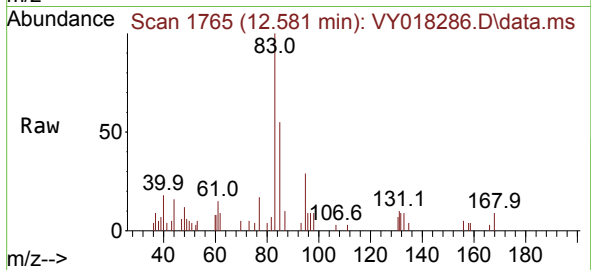




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.725 ug/l
 RT: 12.581 min Scan# 1765
 Delta R.T. -0.000 min
 Lab File: VY018286.D
 Acq: 16 May 2024 15:13

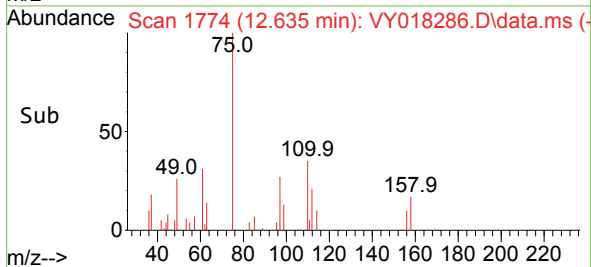
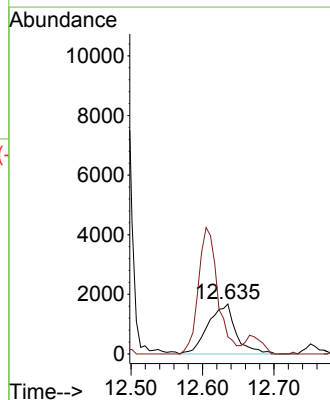
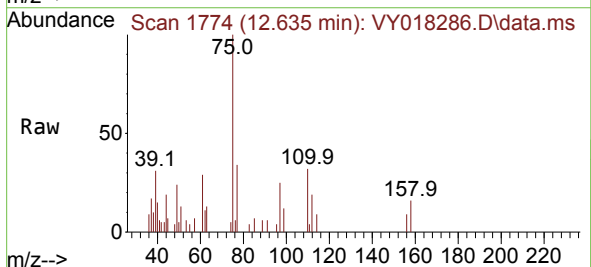
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

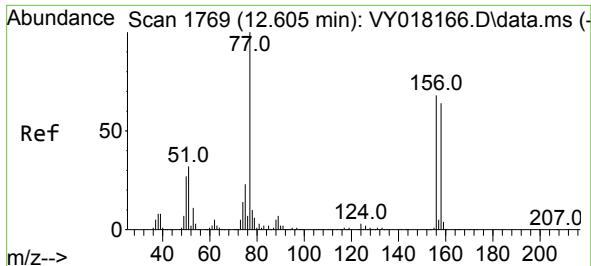
Tgt Ion: 83 Resp: 3427
 Ion Ratio Lower Upper
 83 100
 131 12.0 5.0 14.9
 85 63.1 32.0 96.0



#76
 1,2,3-Trichloropropane
 Concen: 5.355 ug/l
 RT: 12.635 min Scan# 1774
 Delta R.T. -0.000 min
 Lab File: VY018286.D
 Acq: 16 May 2024 15:13

Tgt Ion: 75 Resp: 4507
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

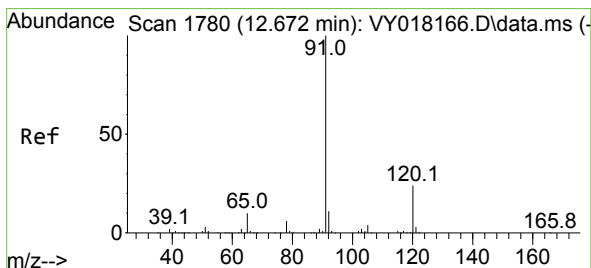
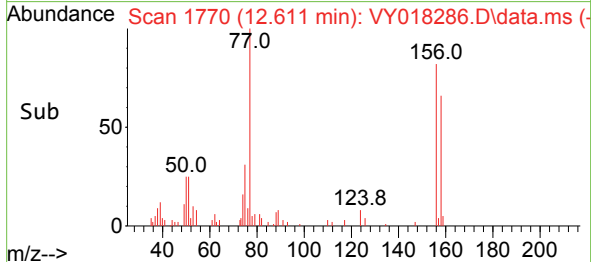
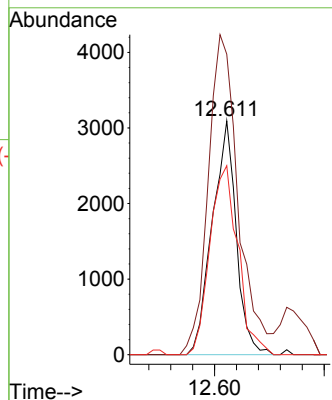
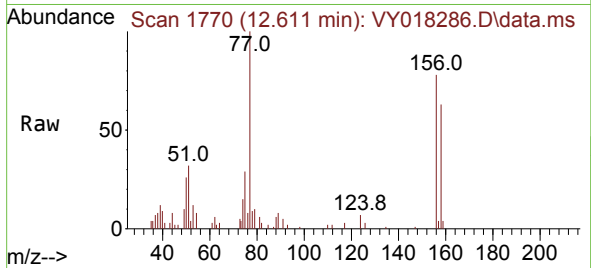




#77
Bromobenzene
Concen: 2.592 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

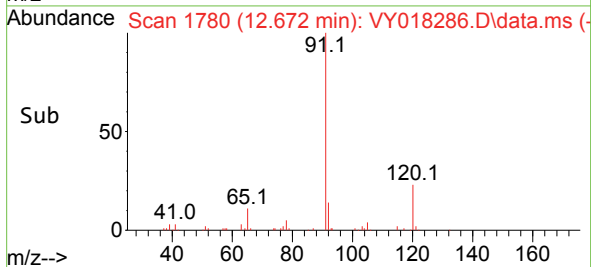
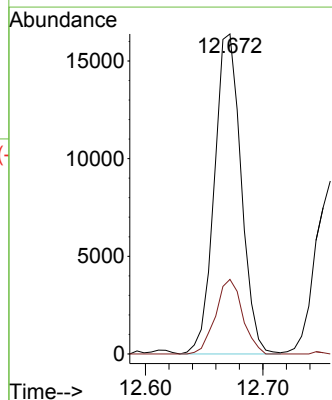
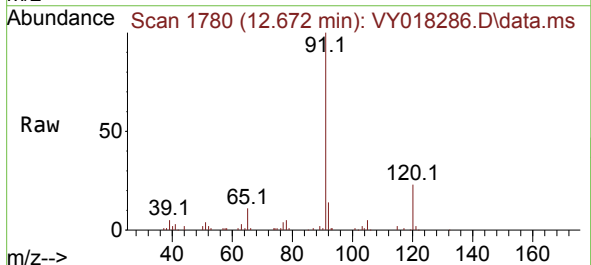
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

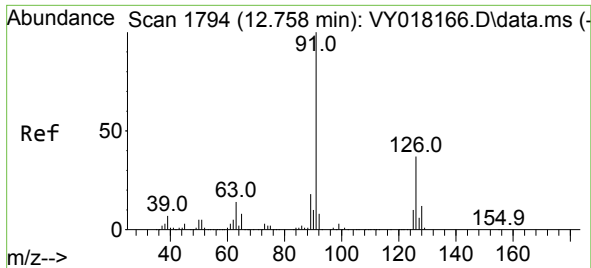
Tgt Ion:156 Resp: 4695
Ion Ratio Lower Upper
156 100
77 170.1 87.1 261.3
158 94.8 48.6 145.9



#78
n-propylbenzene
Concen: 2.833 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 91 Resp: 25975
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.4

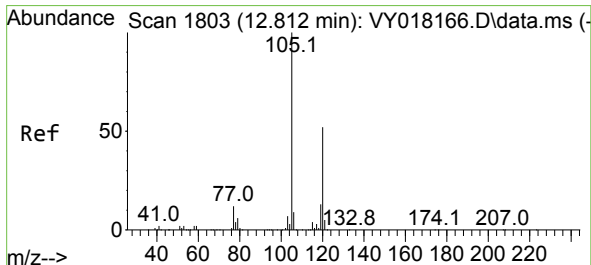
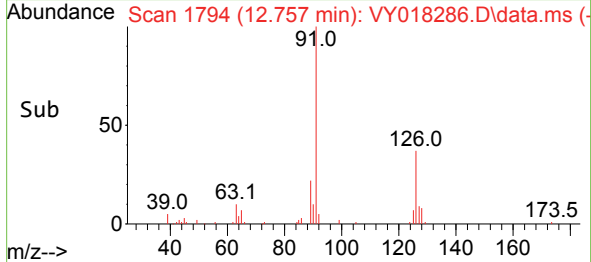
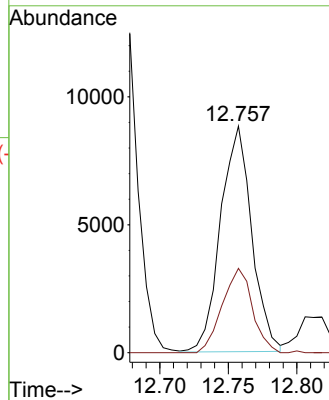
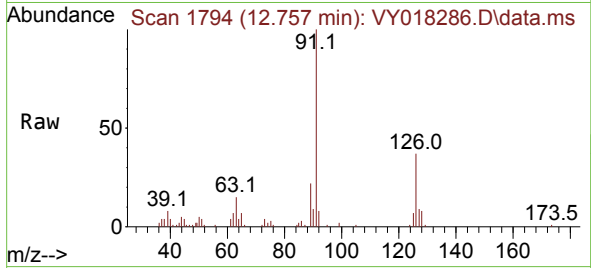




#79
2-Chlorotoluene
Concen: 2.744 ug/l
RT: 12.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

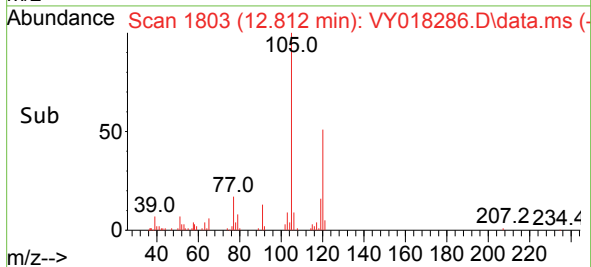
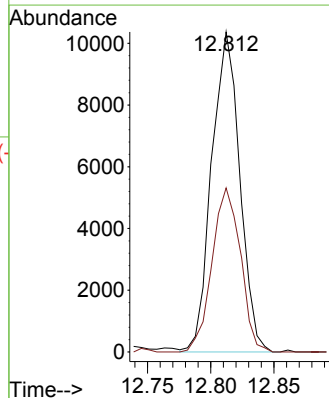
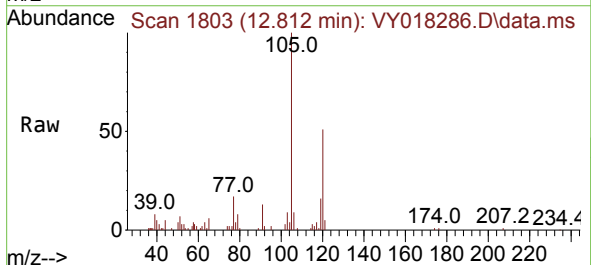
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

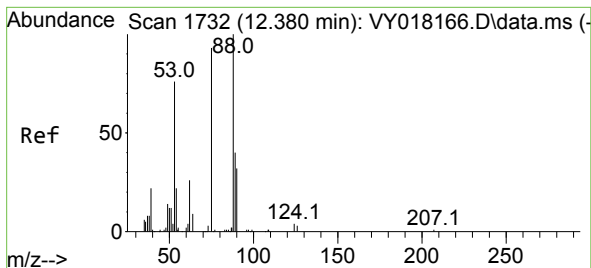
Tgt Ion: 91 Resp: 13981
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 2.573 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 105 Resp: 15998
Ion Ratio Lower Upper
105 100
120 52.0 25.1 75.2

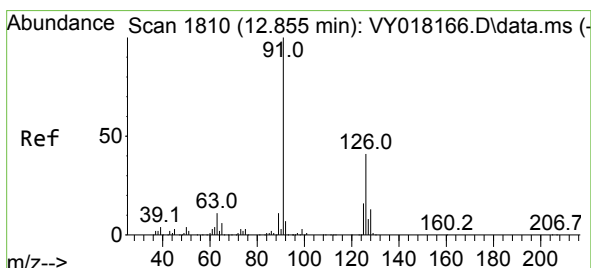
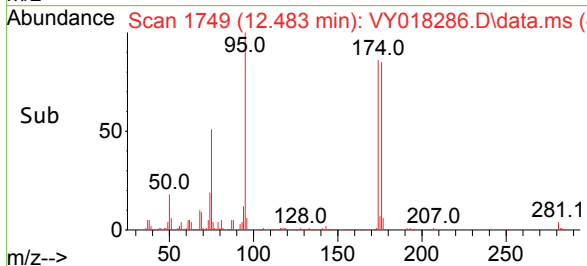
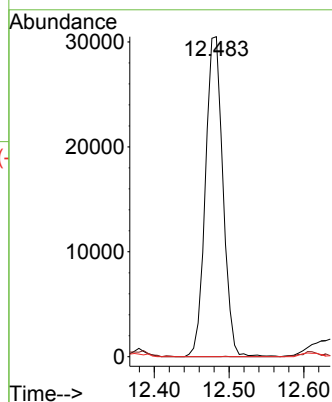
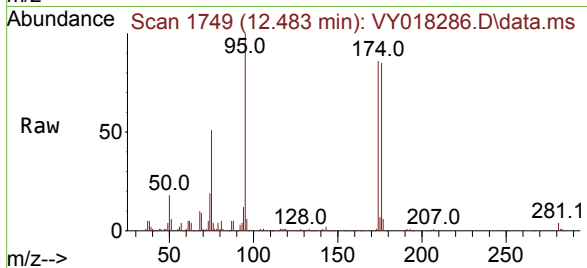




#81
trans-1,4-Dichloro-2-butene
Concen: 113.397 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

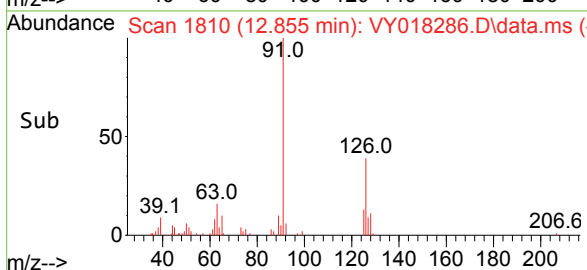
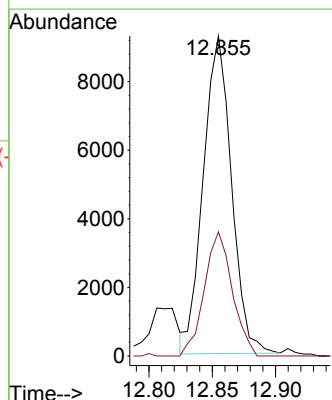
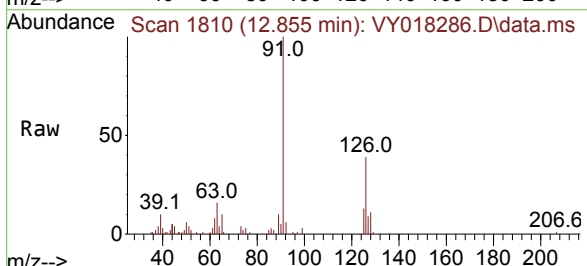
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

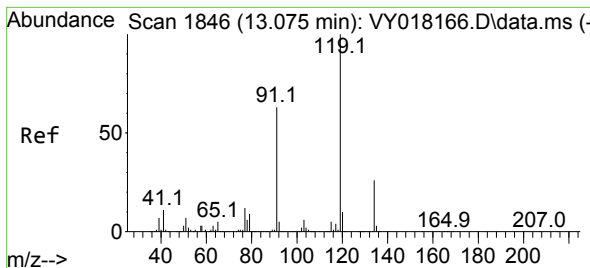
Tgt Ion: 75 Resp: 49539
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 2.807 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion: 91 Resp: 14370
Ion Ratio Lower Upper
91 100
126 38.7 17.6 52.9





#83

tert-Butylbenzene

Concen: 2.717 ug/l

RT: 13.074 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

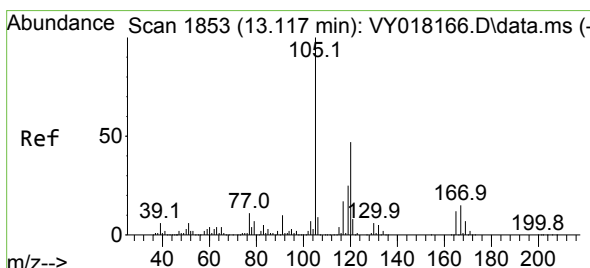
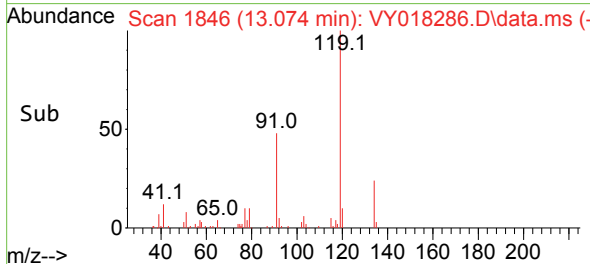
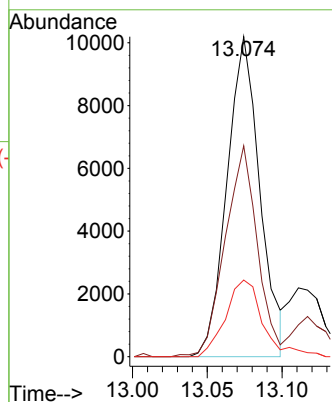
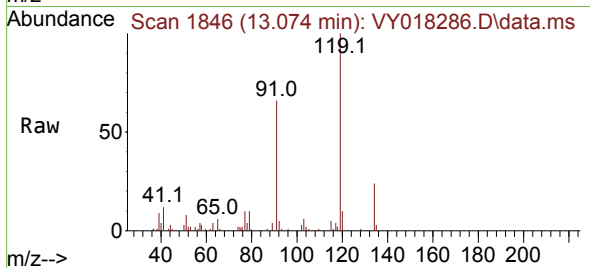
Tgt Ion:119 Resp: 15579

Ion Ratio Lower Upper

119 100

91 64.5 31.3 93.8

134 27.2 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 2.679 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY018286.D

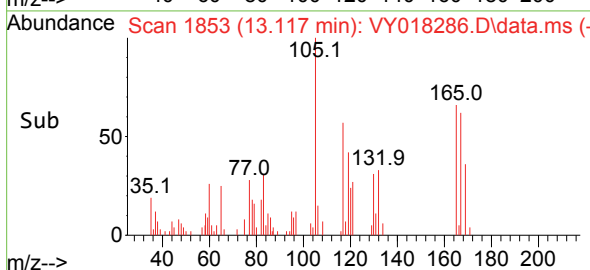
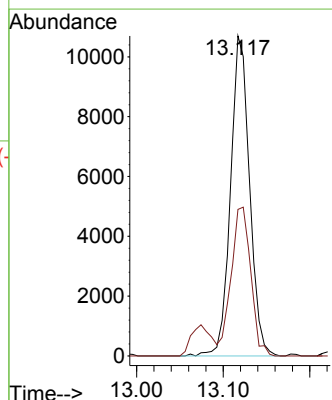
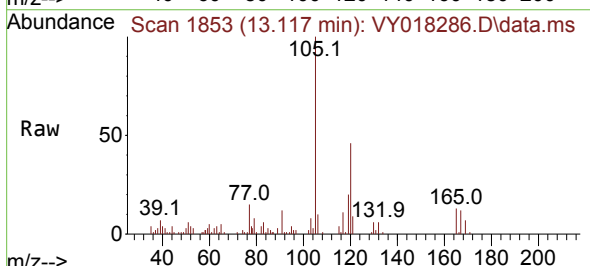
Acq: 16 May 2024 15:13

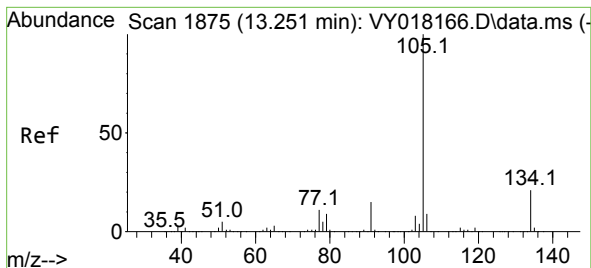
Tgt Ion:105 Resp: 16316

Ion Ratio Lower Upper

105 100

120 48.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 2.818 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

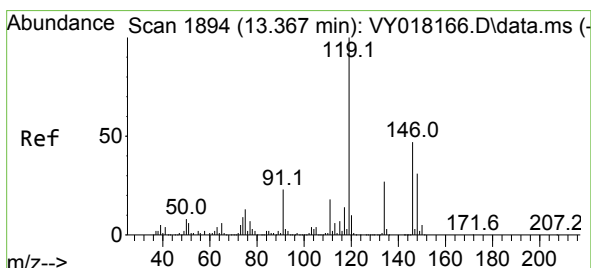
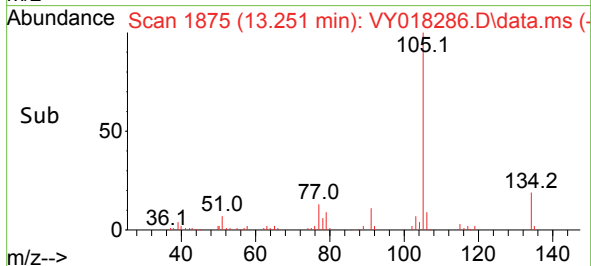
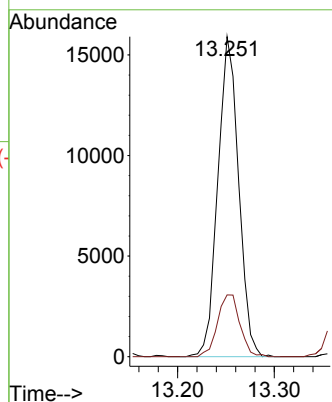
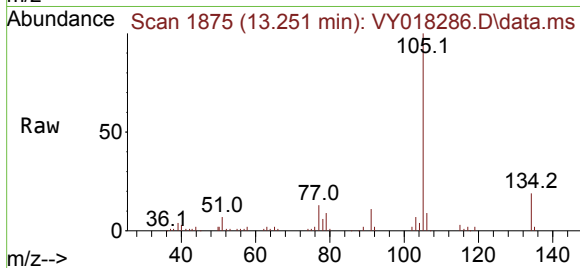
MDL-SOIL-03-QT2-2024

Tgt Ion:105 Resp: 23702

Ion Ratio Lower Upper

105 100

134 20.8 10.1 30.1



#86

p-Isopropyltoluene

Concen: 2.721 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

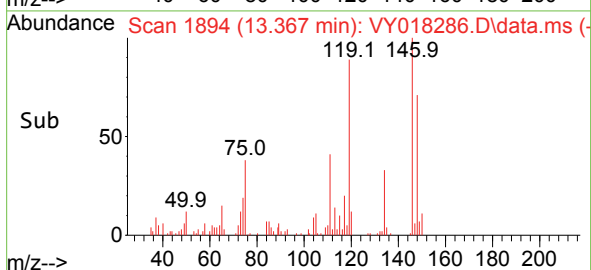
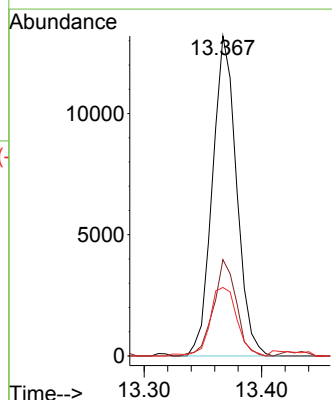
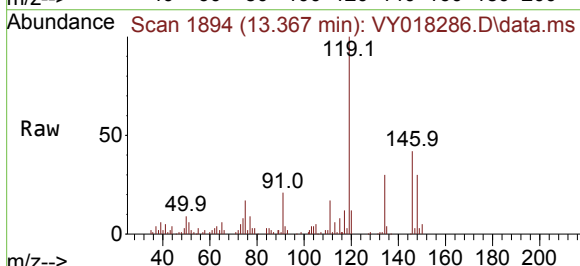
Tgt Ion:119 Resp: 18827

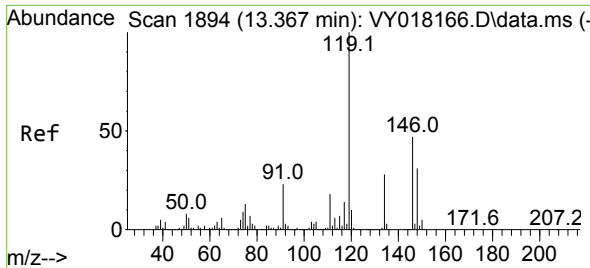
Ion Ratio Lower Upper

119 100

134 28.5 13.1 39.3

91 24.1 10.7 32.1

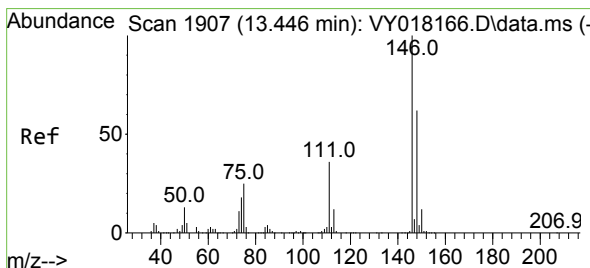
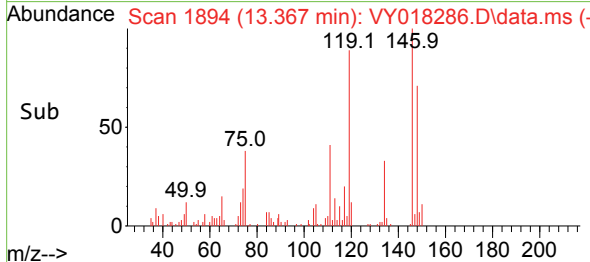
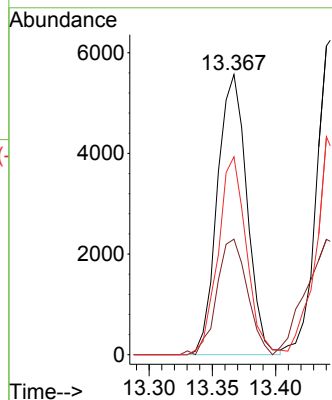
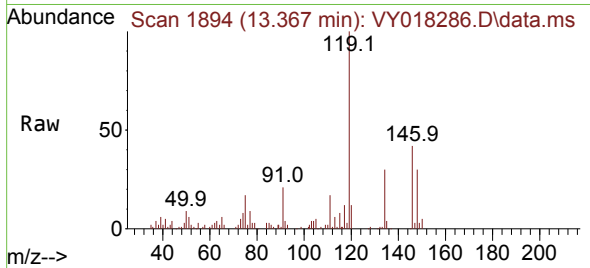




#87
1,3-Dichlorobenzene
Concen: 2.587 ug/l
RT: 13.367 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

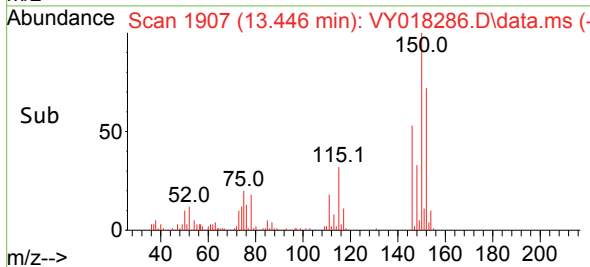
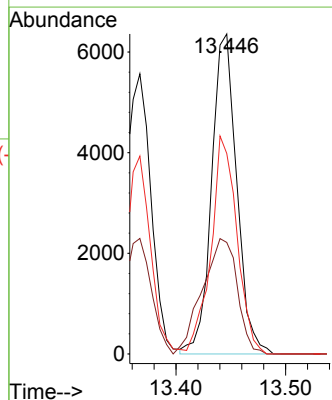
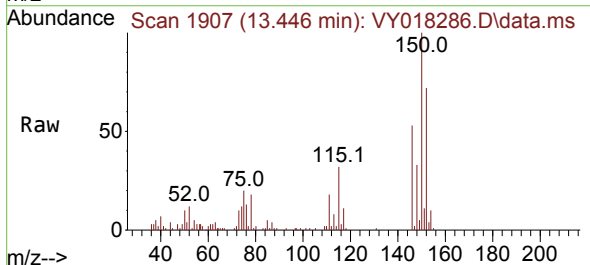
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

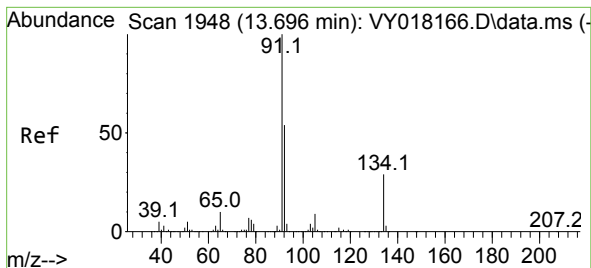
Tgt Ion:146 Resp: 9049
Ion Ratio Lower Upper
146 100
111 42.4 19.0 57.0
148 67.8 31.7 95.1



#88
1,4-Dichlorobenzene
Concen: 2.975 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Tgt Ion:146 Resp: 10144
Ion Ratio Lower Upper
146 100
111 49.9 18.4 55.4
148 70.1 32.4 97.2





#89

n-Butylbenzene

Concen: 2.842 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

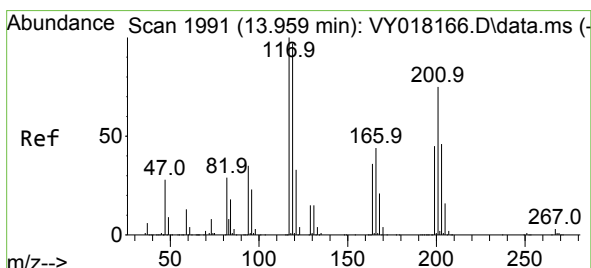
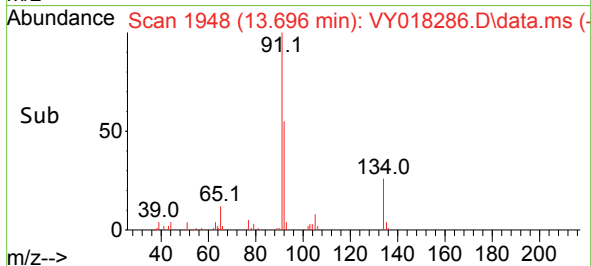
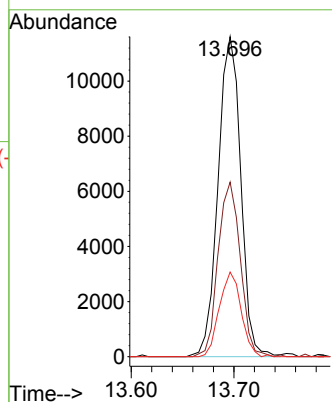
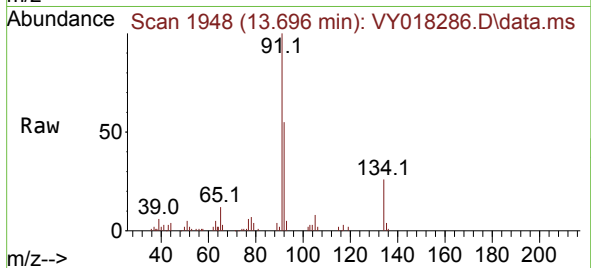
Tgt Ion: 91 Resp: 17796

Ion Ratio Lower Upper

91 100

92 53.5 26.6 79.7

134 25.4 12.9 38.7



#90

Hexachloroethane

Concen: 2.455 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. -0.000 min

Lab File: VY018286.D

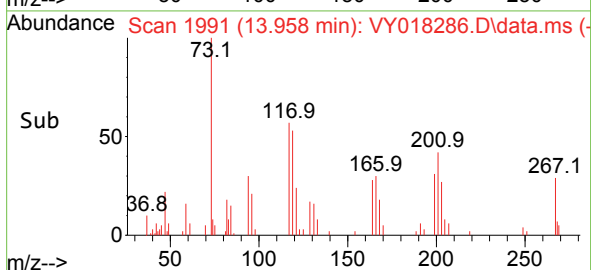
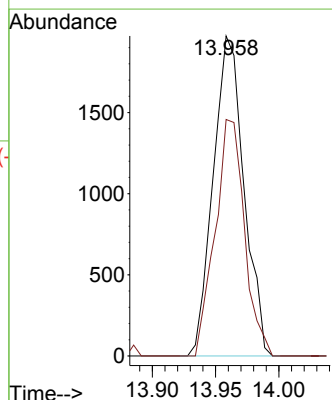
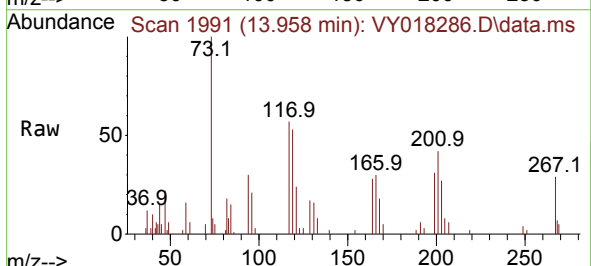
Acq: 16 May 2024 15:13

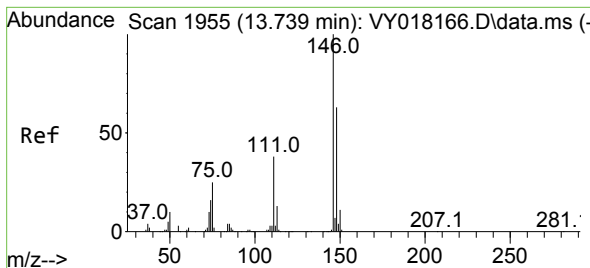
Tgt Ion: 117 Resp: 3333

Ion Ratio Lower Upper

117 100

201 70.5 37.4 112.2





#91

1,2-Dichlorobenzene

Concen: 2.731 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

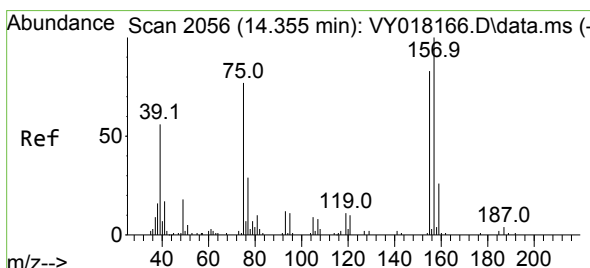
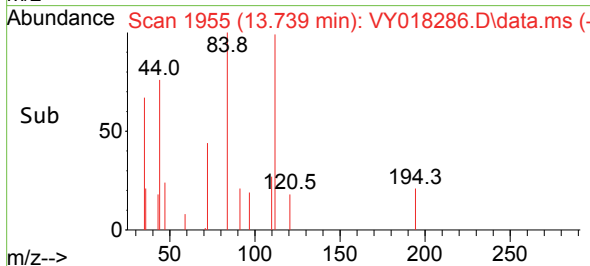
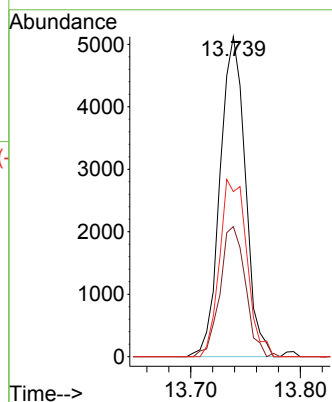
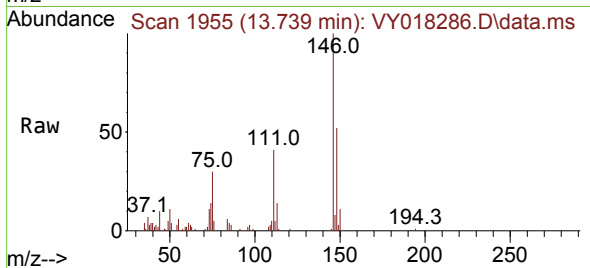
Tgt Ion:146 Resp: 8210

Ion Ratio Lower Upper

146 100

111 40.9 19.9 59.7

148 59.7 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.651 ug/l

RT: 14.349 min Scan# 2055

Delta R.T. -0.006 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

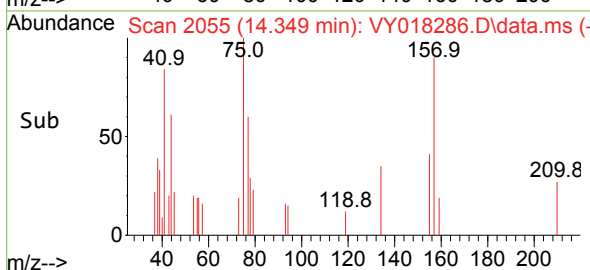
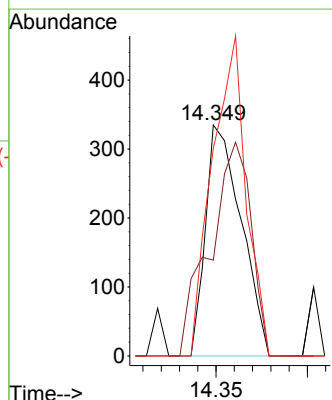
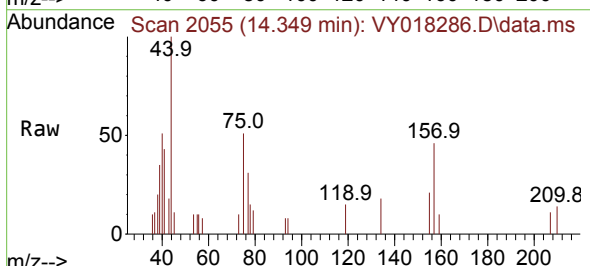
Tgt Ion: 75 Resp: 454

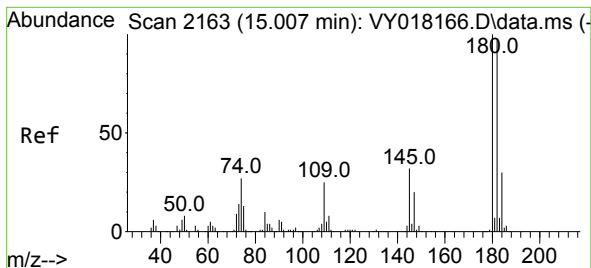
Ion Ratio Lower Upper

75 100

155 106.8 48.6 145.8

157 131.9 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 2.499 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

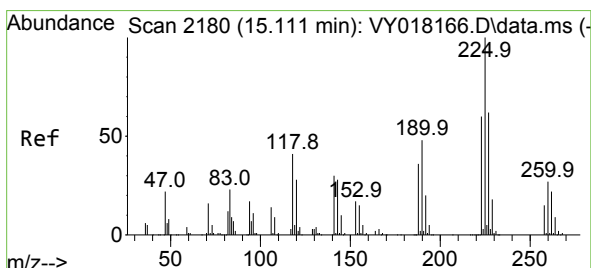
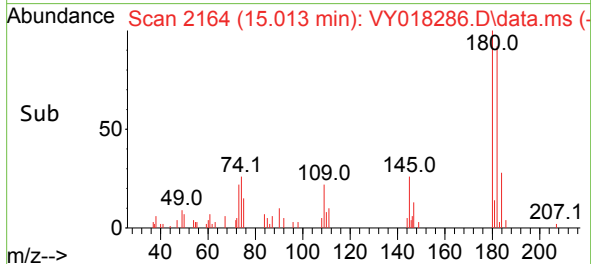
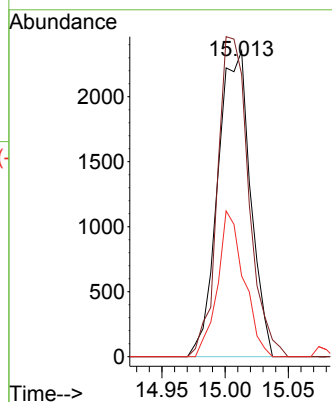
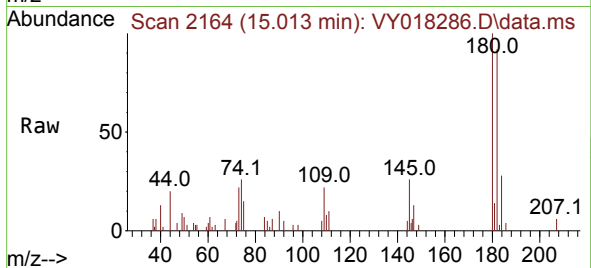
Tgt Ion:180 Resp: 4224

Ion Ratio Lower Upper

180 100

182 99.7 47.9 143.8

145 38.6 14.2 42.6



#94

Hexachlorobutadiene

Concen: 2.534 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY018286.D

Acq: 16 May 2024 15:13

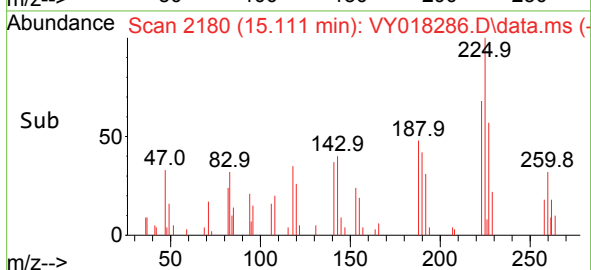
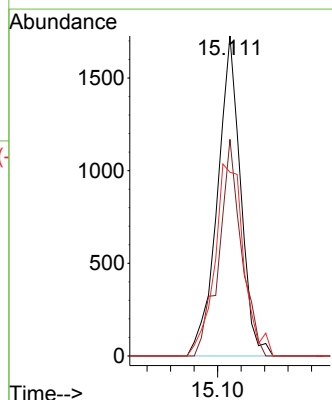
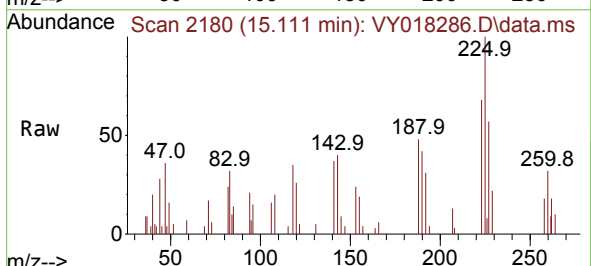
Tgt Ion:225 Resp: 2363

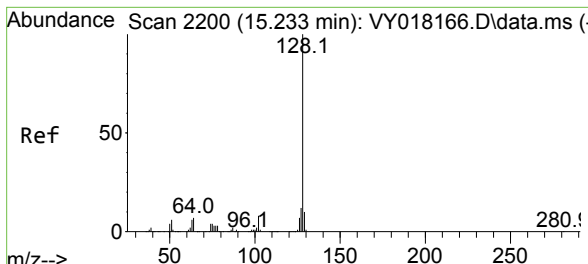
Ion Ratio Lower Upper

225 100

223 65.8 30.4 91.2

227 75.2 31.9 95.9

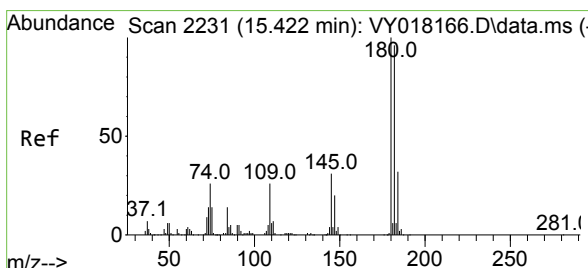
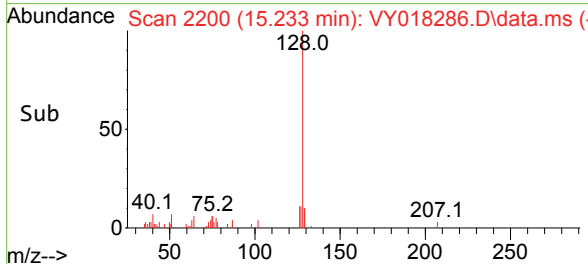
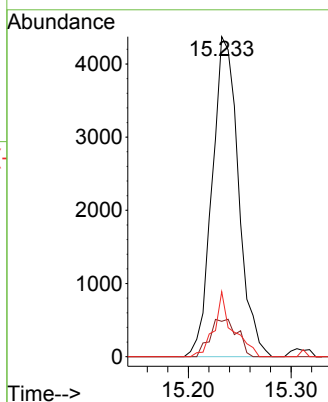
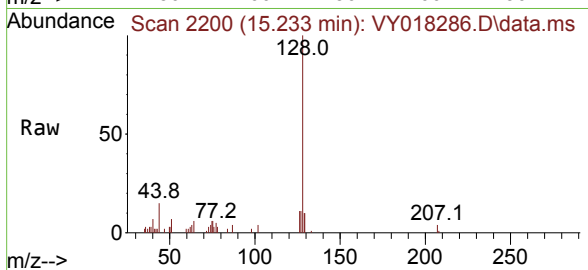




#95
Naphthalene
Concen: 2.507 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY018286.D
Acq: 16 May 2024 15:13

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:	128	Resp:	7765
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.6	16.0
129	14.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.581 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
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Acq: 16 May 2024 15:13

Tgt Ion:	180	Resp:	3580
Ion Ratio	Lower	Upper	
180	100		
182	100.4	47.6	142.9
145	40.5	15.4	46.1

